CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Irrigation project, Cotulla, Tex., La Salle Co. taking bids and open same about Oct. 1, $7,000,000.

Hotel and apartment, San Francisco, Calif., L. R. Lurie having plans prepared, $5,000,000.

Waterworks improvement, Waco, Tex., election Sept. 14, $3,500,000.

Tunnels, San Francisco, Calif., City and San Francisco Co. making plans, $2,500,000.

Department store, Baltimore, Md., Hockschild, Kohn & Co., takes bids after Jan. 1, $2,000,000.

Water and gas extension, Long Beach, Calif., plans election, $1,500,000-$2,500,000.

Irrigation project, Scotland, Tex., plans for irrigating 320 sq.mi. being made, $1,750,000.

Bridge, Cape Girardeau, Mo., syndicate plans traffic bridge across Mississippi River, $1,600,000.

Freight terminal, Dallas, Tex., Southern Pacific R.R. Co. having plans prepared and soon takes bids, $1,500,000.

Apartment, New York, N. Y., One Hundred Nine West 49th Street Corp. having plans prepared, $1,400,000.

Seawall, Bay St. Louis, Miss., Hancock Co. voted bonds, $1,250,000.

Memorial, Ames, Iowa, Iowa State Teachers' College Alumni Assn. takes bids about Oct. 1, $1,000,000.

Office, Detroit, Mich., L. Kamper, archt., takes bids about Sept. 10, $1,000,000.

Bids Desired

Highways, Cuba, Sept. 20 (extended date), by Dept. Pub. Wks., Santa Clara Convent, Havana, $120,000,000.

Tunnels, San Francisco, Calif., Sept. 15, by Bd. Pub. Wks., $2,500,000.

Lodge, Cleveland, O., Sept. 14, by J. F. Sperry, chn., building com., Cleveland Aerie of Eagles, $1,250,000.

High School, Baltimore, Md., Sept. 8, by Bd. Awards, $1,100,000.

Contracts

Office, showroom and store, A. N. Adelson, Inc., to Shroder & Koppel, Inc., $9,000,000.

Bridges, New York and New Jersey, Executive Office, Port New York Authority, to McClintic-Marshall Co., $2,599,150 and to Bethlehem Steel Co., $1,888,269.

Refrigerator factory, Detroit, Mich., Electric Refrigeration Corp. to H. W. Horst Co., $2,000,000.

Theatre and apartment, St. Louis, Mo., Central Properties Corp. to Boaz-Kiel Constr. Co., $1,000,000.

Office, Mt. Vernon, N. Y., Westchester Lighting Co., to White Constr. Co., $1,000,000.

Hospital, Boston, Mass., Beth Israel Hospital to Holt Fairchild Co., $1,000,000.

Art School, New Haven, Conn., Yale University to Hegeman-Harris Co., $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close — *See Eng. News-Record*

Sept. 4 Claxton, Ga. ..... Aug. 26
Sept. 7 Shenandoah, Pa. ..... Aug. 26
Sept. 7 St. Louis, Mo. ..... Aug. 19
Sept. 7 White Plains, N. Y. ..... Aug. 26
Adv. Aug. 26 and Sept. 2.
Sept. 7 Wilmette, Ill. ..... Sept. 2
Sept. 7 Laprairie, Que. ..... Sept. 2
Sept. 7 Boston, Mass. ..... Sept. 2
Sept. 7 St. Paul, Minn. ..... Sept. 2
Sept. 7 Homerville, Ga. ..... Sept. 2
Sept. 8 Detroit, Mich. ..... Aug. 12
Sept. 8 Detroit, Mich. ..... Aug. 26
Sept. 8 Berkley, Ill. ..... Sept. 2
Sept. 8 Boston, Mass. ..... Sept. 2
Sept. 9 Boston, Mass. ..... Sept. 2
Sept. 9 Knoxville, Tenn. ..... Aug. 26
Sept. 9 Douglas, Neb. ..... Aug. 26
Sept. 9 Newark, N. J. ..... Aug. 12
Sept. 9 Livingston, N. J. ..... Sept. 2
Sept. 13 Bexley (Columbus P. O.), O. Sept. 2
Sept. 13 Falmouth, Mass. ..... Sept. 2
Adv. Sept. 2.
Sept. 15 San Francisco, Calif. ..... Sept. 2
Sept. 16 Salisbury, Md. ..... Aug. 26
Adv. Aug. 26 and Sept. 2.
Sept. 22 Providence, R. I. ..... Sept. 2
Adv. Sept. 2.
Sept. 30 Santo Domingo, W. I. ... July 22
Adv. July 15, 29, Aug. 12, 26 and Sept. 2.

Sewers

Sept. 3 Boston, Mass. ..... Aug. 26
Sept. 4 Burlington, Ia. ..... Aug. 26
Sept. 7 Jamestown, N. Y. ..... Aug. 26
Adv. Aug. 26 and Sept. 2.
Sept. 7 Mamaroneck, N. Y. ..... Aug. 19
Adv. Aug. 9 to Sept. 2.
Sept. 7 Plainfield, N. J. ..... Aug. 19
Sept. 7 Wilmette, Ill. ..... Sept. 2
Sept. 7 St. Louis, Mo. ..... Aug. 26
Sept. 7 Euclid, O. ..... Sept. 2
Sept. 7 Bunkie, La. ..... Sept. 2
Sept. 7 Providence, R. I. ..... Sept. 2
Sept. 8 Brooklyn, N. Y. ..... Aug. 12
Sept. 8 Marcy, N. Y. ..... Aug. 12
Sept. 8 Salem, Mass. ..... Aug. 19
Sept. 8 Ardmore, Pa. ..... Aug. 26
Adv. Aug. 26 and Sept. 2.
Sept. 8 Milwaukee, Wis ..... Sept. 2
Sept. 8 Grand Rapids, Mich. ..... Sept. 2
Sept. 10 Fort Myers, Fla. ..... Aug. 26
Adv. Aug. 19 to Sept. 2.
Sept. 13 St. Petersburg, Fla. ..... Aug. 26
Adv. Aug. 26 and Sept. 2.
Sept. 13 Tenafly, N. J. ..... Aug. 26
Adv. Aug. 19 to Sept. 2.
Sept. 14 St. Louis, Mo. ..... Sept. 2
Sept. 14 Patchogue, N. Y. ..... Sept. 2
Adv. Sept. 2.

Bids close — *See Eng. News-Record*

Sept. 20 Waverly, Minn. ..... Sept. 2
Sept. 21 McComb, Miss. ..... Sept. 2
Sept. 21 Bridgeport, Pa. ..... Sept. 2
Adv. Sept. 2.
Sept. 24 Flint, Mich. ..... Sept. 2
Adv. Sept. 2.
Oct. 13 Portland, Ore. ..... Aug. 26
Adv. Aug. 19 to Sept. 2.

Bridges

Sept. 3 Phila., Pa. ..... Aug. 26
Sept. 6 Wash., D. C. ..... Sept. 2
Sept. 7 Bristol, Conn. ..... Sept. 2
Sept. 8 Freehold, N. J. ..... Aug. 26
Adv. Aug. 26 and Sept. 2.
Sept. 8 Phila., Pa. ..... Sept. 2
Sept. 8 Pittsburgh, Pa. ..... Sept. 2
Sept. 9 Fredonia, Kan. ..... Sept. 2
Sept. 14 Stuart, Fla. ..... Aug. 26
Adv. Aug. 26 and Sept. 2.
Sept. 15 Bronxville, N. Y. ..... Sept. 2
Adv. Sept. 2.
Sept. 15 Illinois ..... Sept. 2
Sept. 16 New York, N. Y. ..... Aug. 19
Sept. 17 Morgantown, W. Va. ..... Aug. 26
Sept. 17 Ohio ..... Sept. 2
Sept. 21 Bastrop, La. ..... Sept. 2
Dec. 1 Copenhagen, Denmark .... July 15

Dams

Sept. 7 British Columbia ..... Aug. 26

Excavation, Drainage, Irrigation, Levees, River and Harbor

Sept. 6 Lake Village, Ark. ..... Aug. 26
Sept. 7 Buffalo, N. Y. ..... Aug. 12
Sept. 7 Fairfield, Ia. ..... Sept. 2
Sept. 7 Lawrenceville, Ill. ..... Sept. 2
Sept. 7 Long Island City, N. Y. .... Sept. 2
Sept. 9 Dover, N. J. ..... Aug. 26
Sept. 9 Louisiana ..... Sept. 2
Sept. 11 Danville, Ill. ..... Sept. 2
Sept. 13 Jersey City, N. J. ..... Aug. 26
Sept. 13 Belmar, N. J. ..... Aug. 26
Sept. 14 Osceola, Ark. ..... Sept. 2
Sept. 15 Blytheville, Ark. ..... Sept. 2
Adv. Sept. 2.

Streets and Roads

Sept. 3 Indianapolis, Ind. ..... Aug. 26
Sept. 3 Indianapolis, Ind. ..... Sept. 2
Sept. 3 Dayton, O. ..... Sept. 2
Sept. 4 Huntington, Ind. ..... Sept. 2
Sept. 4 Buffalo, N. Y. ..... Sept. 2
Sept. 6 Liberty, Ind. ..... Aug. 26
Sept. 6 Fort Wayne, Ind. ..... Aug. 26
Sept. 6 Greencastle, Ind. ..... Sept. 2
Sept. 7 Sioux Center, Ia. ..... Aug. 12

Bids close — *See Eng. News-Record*

Sept. 7 Louisiana ..... Aug. 12
Sept. 7 Connecticut ..... Aug. 26
Adv. Aug. 26.
Sept. 7 Winamac, Ind. ..... Aug. 26
Sept. 7 Vincennes, Ind. ..... Aug. 26
Sept. 7 Indianapolis, Ind. ..... Aug. 26
Sept. 7 Kermit, W. Va. ..... Aug. 26
Sept. 7 Millersburg, O. ..... Sept. 2
Sept. 7 Warren, Ark. ..... Sept. 2
Sept. 7 Ventura, Calif. ..... Sept. 2
Sept. 7 New Hampshire ..... Sept. 2
Sept. 7 Walpole, Mass. ..... Sept. 2
Sept. 7 Little Rock, Ark. ..... Sept. 2
Sept. 7 Sac City, Ia. ..... Sept. 2
Sept. 7 Plymouth, Ind. ..... Sept. 2
Sept. 7 Anderson, Ind. ..... Sept. 2
Sept. 7 Mount Vernon, Ind. ..... Sept. 2
Sept. 7 Pleasant Ridge (mail St. Louis), Mich. ..... Sept. 2
Sept. 7 Trenton, N. J. ..... Sept. 2
Sept. 7 Phila., Pa. ..... Sept. 2
Sept. 7 Long Island City, N. Y. .... Sept. 2
Sept. 7 Toronto, O. ..... Sept. 2
Sept. 7 Berkeley, Calif. ..... Sept. 2
Sept. 7 Wheeling, W. Va. ..... Sept. 2
Sept. 8 Princeton, Ind. ..... Aug. 26
Sept. 8 Pennsylvania ..... Aug. 26
Adv. Aug. 26 and Sept. 2.
Sept. 8 Freehold, N. J. ..... Aug. 26
Adv. Aug. 26 and Sept. 2.
Sept. 8 Fargo, N. D. ..... Aug. 26
Sept. 8 Trenton, N. J. ..... Aug. 26
Adv. Aug. 19 to Sept. 2.
Sept. 8 Alexandria Bay, N. Y. ... Aug. 26
Sept. 8 Verona, Pa. ..... Sept. 2
Sept. 8 Florence, N. J. ..... Sept. 2
Sept. 8 Stevens Point, Wis. ..... Sept. 2
Sept. 8 Milwaukee, Wis. ..... Sept. 2
Sept. 9 Cedar Rapids, Ia. ..... Aug. 26
Sept. 9 Pennsylvania ..... Aug. 26
Adv. Aug. 26 and Sept. 2.
Sept. 9 Michigan ..... Sept. 2
Sept. 9 Jefferson, Tex. ..... Sept. 2
Sept. 9 Galesburg, Ill. ..... Sept. 2
Sept. 10 White Plains, N. Y. ..... Aug. 26
Adv. Aug. 26 and Sept. 2.
Sept. 10 Norton, Kan. ..... Aug. 19
Sept. 10 Georgia ..... Aug. 26
Sept. 10 Groveton, Tex. ..... Sept. 2
Sept. 10 Fort Wayne, Ind. ..... Sept. 2
Sept. 10 Portage, Wis. ..... Sept. 2
Sept. 13 New Jersey ..... Aug. 26
Adv. Aug. 26 and Sept. 2.
Sept. 13 California ..... Sept. 2
Sept. 13 Crown Point, Ind. ..... Sept. 2
Sept. 14 Apalachicola, Fla. ..... Aug. 26
Sept. 14 Jacksboro, Tex. ..... Sept. 2
Sept. 14 Abilene, Tex. ..... Sept. 2
Sept. 14 St. Louis, Mo. ..... Sept. 2
Sept. 14 Fort Wayne, Ind. ..... Sept. 2
Sept. 15 Anderson, Ind. ..... Aug. 19

See proposal advertising on page 172

TRADE "LEADITE" MARK
Registered U. S. Pat. Office

A list of the Country's principal cities, large and small—

Is a list of the satisfied users of LEADITE.

Leadite Users are Leadite Boosters

EAST or West, North or South, take your pick of the cities—and you'll find many of them on the customer list of Leadite—

The country's principal cities, large and small—the country's representative water works engineers, construction companies and water works departments of industrial plants, railroads and mines are strong for Leadite for jointing cast iron water mains—

Are demonstrating what you will be able to do when you use Leadite—

What, for instance?—

You will do away with the need for caulking—or the need for digging out for large bell holes.

You will be able to use Leadite for all sizes of pipe from 4 in. to 60 in. diameter—under all pressures and conditions—

Give Leadite a trial.

Leadite resists electrolysis.

Leadite does not corrode or rust.

Leadite has been successfully tested and used for over 30 years.

Thousands of miles of pipe jointed with Leadite are in service.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1511 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
Sept. 15	Jamestown, N. D.	Sept. 2
Sept. 15	Atchison, Kan.	Sept. 2
Sept. 15	Alabama	Sept. 2
Sept. 15	Pennsylvania Adv. Sept. 2.	Sept. 2
Sept. 15	San Francisco, Calif.	Sept. 2
Sept. 16	Virginia Adv. Sept. 2.	Sept. 2
Sept. 16	Louisiana	Sept. 2
Sept. 17	New York Adv. Sept. 2.	Sept. 2
Sept. 17	Ohio	Sept. 2
Sept. 20	Cuba	Sept. 2
Sept. 20	New Jersey Adv. Sept. 2.	Sept. 2
Sept. 21	Westmoreland, Kan.	Sept. 2
Sept. 21	Louisiana	Sept. 2
Sept. 23	Phillipsburgh, Kan.	Sept. 2
Sept. 24	Lyons, Kan.	Sept. 2
Sept. 27	Kentucky	Sept. 2
Sept. 28	Lawrence, Kan.	Sept. 2
Sept. 29	Kentucky	Aug. 12
Sept. 29	Alabama	Aug. 12
Sept. 29	Alabama	Sept. 2

Buildings—Commercial

Sept. 3	Roanoke, Va.	Aug. 26
Sept. 3	Lewistown, Pa.	Aug. 26
Sept. 3	Phila., Pa.	Aug. 26
Sept. 4	Greensburg, Pa.	Sept. 2
Sept. 7	Highland Park (br. Detroit), Mich.	Sept. 2
Sept. 7	Phila., Pa.	Sept. 2
Sept. 8	Chicago, Ill.	Aug. 26
Sept. 10	Mansfield, O.	Sept. 2
Sept. 15	Dayton, O.	Aug. 26
Sept. 15	Redwood City, Calif.	Sept. 2
Sept. 28	Dayton, O.	Sept. 2
Oct. 19	Indianapolis, Ind.	Aug. 26
Nov. 15	Duluth, Minn.	July 15

Buildings—Industrial

Sept. 7	Garrett, Ind.	Sept. 2
Sept. 10	Nashville, Tenn.	Aug. 19
Sept. 16	Phila., Pa. Adv. Sept. 2.	Sept. 2

Buildings—Educational, Religious

Sept. 3	Kent, O.	Aug. 19
Sept. 6	Albion, Mich.	Sept. 2
Sept. 7	Atlanta, Ga.	Aug. 26
Sept. 7	Indianapolis, Ind.	Aug. 26
Sept. 7	Hartford, Conn.	Sept. 2
Sept. 8	St. Louis, Mo.	Sept. 2
Sept. 8	Baltimore, Md.	Sept. 2
Sept. 8	Muscatine, Ia.	Sept. 2
Sept. 8	Detroit, Mich.	Sept. 2
Sept. 8	Phila., Pa.	Sept. 2
Sept. 11	Columbus, O.	Sept. 2
Sept. 14	Leominster, Mass.	Sept. 2
Sept. 14	Mexico, Mo.	Sept. 2
Sept. 15	Karns City, Pa.	Aug. 26
Sept. 15	Sayville, N. Y.	Aug. 26
Sept. 15	La Grange, Ind.	Aug. 26
Sept. 16	Berea, O.	Aug. 26
Sept. 16	Knoxville, Tenn.	Sept. 2
Sept. 17	LaGrange, Ill.	Aug. 26
Sept. 30	Wash., D. C.	Aug. 26
Oct. 1	Storrs, Conn.	Sept. 2

Federal Government Work

Sept. 3	Concrete Mixers, etc.—Wash., D. C.	Sept. 2
Sept. 7	Remodeling — Newport News, Va.	Aug. 26
Sept. 8	Surfacing—Puget Sound, Wash.	Aug. 19
Sept. 8	Towers—LaJolla, Calif.	Aug. 26
Sept. 8	Stake—Turburon, Calif.	Aug. 26
Sept. 8	Remodeling—Aberdeen, S. D.	Aug. 26
Sept. 8	Dredging—Quantico, Va.	Sept. 2
Sept. 9	Boiler House—Dayton, O. Adv. Aug. 12 to Sept. 2.	Aug. 19
Sept. 10	Paving—Hot Springs, Ark. Adv. Aug. 26 and Sept. 2.	Aug. 26
Sept. 10	Remodeling — Northampton, Mass.	Aug. 26
Sept. 13	Beartrap Leaves—Louisville, Ky.	Aug. 19
Sept. 13	Remodeling — Asheville, N. C. Adv. Aug. 26 and Sept. 2.	Aug. 26
Sept. 13	Excavating, etc.—Syracuse, N. Y. Adv. Sept. 2.	Sept. 2
Sept. 14	Boiler, Wash., D. C.	Aug. 26
Sept. 14	Roads—Rutland, Mass.	Aug. 26
Sept. 14	Fire Protection System — Baltimore, Md.	Aug. 26
Sept. 14	Driveway, etc.—Pottsville, Pa. Adv. Sept. 2.	Sept. 2
Sept. 15	Barges—St. Louis, Mo. Adv. Aug. 26 and Sept. 2.	Aug. 26
Sept. 15	Equipment—Wash., D. C. Adv. Sept. 2.	Sept. 2
Sept. 16	Remodeling—Adrian, Mich.	Sept. 2
Sept. 17	Remodeling—Des Moines, Ia.	Sept. 2
Sept. 21	Wire Fence—Lake City, Fla.	Aug. 26
Sept. 21	Bulkhead—Hampton, Va. Adv. Sept. 2.	Sept. 2
Sept. 24	Gates—Louisville, Ky.	Aug. 26
Sept. 28	Storehouse, etc.—Sunmount, N. Y. Adv. Sept. 2.	Aug. 26
Sept. 30	Equipment—Wash., D. C. Adv. Sept. 2.	Sept. 2
Oct. 1	Jetty—Sabine Pass, Tex. Adv. Aug. 12, 19 and Sept. 2.	Aug. 12

Unclassified

Sept. 3	Special Work—Brooklyn, N. Y.	Aug. 26
Sept. 3	Special Work—New York, N. Y.	Aug. 26
Sept. 7	Culverts—Sidney, Ia.	Sept. 2
Sept. 7	Pumps—Austin, Minn.	Sept. 2
Sept. 8	Clamp—Phila., Pa.	Sept. 2
Sept. 9	Wharf—West Palm Beach, Fla.	Aug. 5
Sept. 9	Plumbing, Heating, etc.—Chicago, Ill.	Sept. 2
Sept. 9	Playground—Boston, Mass.	Sept. 2
Sept. 9	Bulkhead—Cleveland, O.	Sept. 2
Sept. 10	Air Compressor—Farmingdale, N. Y.	Aug. 19
Sept. 10	Subway—Phila., Pa.	Aug. 26
Sept. 10	Fill—Corona (Ind. Sta. Flushing), N. Y.	Sept. 2
Sept. 10	Tracks, etc., New York, N. Y.	Sept. 2
Sept. 10	Turntable Bridges, etc.—Phila., Pa.	Sept. 2
Sept. 13	Subway—San Antonio, Tex.	Sept. 2
Sept. 14	Station Entrance — Boston, Mass.	Sept. 2
Sept. 15	Steam Turbines, etc.—Hamilton, O.	Aug. 19
Sept. 15	Fire Alarm—Poughkeepsie, N. Y. Adv. Aug. 19 to Sept. 2.	Aug. 26
Sept. 16	Engines, etc.—Danville, Pa. Adv. Sept. 2.	Sept. 2
Nov. 1	Buildings, etc.—New Zealand	July 1

Materials

Sept. 7	Cement, etc. — Long Island City, N. Y.	Sept. 2
Sept. 10	Rock Asphalt — St. George, N. Y.	Sept. 2

News of New Work

Waterworks

Proposed Work

Conn., Winchester—Torrington Electric Light Co., plans water storage reservoir for condensation in connection with steam turbines. To exceed $15,000. Private plans.

N. J., Mountain Lakes—Boro Council plans improving waterworks, incl. wells and watermains, etc., in Danville Twp. $100,000.

Va., Fredericksburg—Election Sept. 9, $100,000 bonds, waterworks improvements, incl. enlarging reservoir, filtration plant, larger mains, etc. L. J. Hooston, city engr.

S. C., Laurens—Voted $80,000 waterworks, also $20,000 sewers in various streets.

O., Green Springs—Village Council takes bids in fall complete waterworks. $50,000.

O., North Canton (br. Canton)—Bd. Pub. Affairs, takes bids in fall new waterworks plant, incl. pumps, wells, and pump house. $50,000-$70,000.

Ill., Wilmette—Made plans waterworks in Indian Hill Estates Addition. $47,540. C. N. Roberts, 155 North Clark St., Chicago, engr.

Wis., East Troy—Voted $20,000 bonds, additional water supply, new well, pumping machinery, etc. Engineer not selected.

Kan., Ft. Scott — Defeated $100,000 bonds, waterworks. S. A. Sulentic, Consult. Eng. Co., 224 New England Bldg., Topeka, engrs. Noted July 22.

Kan., Osawatomie—Election soon, $55,000 bonds waterworks and power plant improvements. Burns & McDonnell, Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs. Noted June 24.

Kan., Yates Center—Making plans low service pumping station machinery foundation, pipe line, water filtration plant and high service pumping plant. $45,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Tex., Canton—Making plans waterworks improvements, incl. pumping plant ad reservoir. $25,000. J. White, Tyler, engr.

Tex., Waco—Election Sept. 14, $3,500,000 bonds waterworks improvements, 7,000 ft. earthen dam, about 85 ft. high, with large concrete spillway, 15,000 lin.ft. 36 in. pipe, and additions to filtration plant, etc. Floyd, Lochridge & Gillespie, 519 Wilson Bldg., Dallas, consult. engrs. This corrects report in Aug. 12 issue.

Tex., Wichita Falls—Making plans waterworks improvements, incl. low and high pressure systems, new and enlarged filter and softening plants; new or enlarged pumping plant, new power plant, etc. $1,000,000. Black & Veatch, c/o Mutual Bldg., Kansas City, Mo., engrs. Noted Aug. 5.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Okla., Bartlesville — Making plans new water supply. $50,000. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Okla., Berwyn—Making preliminary plans new waterworks $20,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Blackwell—Voted $198,000 bonds, new purification plant, mains, pumping equipment and elevated tank. W. Ritzhaupt, Blackwell, engr. Noted Aug. 5.

Okla., Cashion — Making preliminary plans new waterworks. $20,000. A. J. Garnett, mayor. Engineers not selected.

Okla., Choctaw — Making preliminary plans new waterworks. $17,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Coweta—Soon takes bids waterworks and sewers in various streets. $90,000. W. E. Davis, 219 Cole Bldg., Tulsa, engr. Noted July 1.

Okla., Healdton — Making preliminary plans new deep wells and pumping equipment. $35,000. C. A. Castleton, mayor. Engineer not selected.

Okla., Talihina — Voted $60,000 bonds waterworks improvements, incl. 13,000 ft. 8 in. c.i. mains, masonry dam, etc. P. H. Foster, mayor. Engineer not announced. Noted Aug. 19.

Calif., Chowchilla—Plans election $25,000 bonds waterworks.

Calif., Long Beach—Plans election $1,500,000-$2,500,000 bonds, improving and extending water and gas systems. W. A. White, city supt. gas depts.

Calif., Miranda—See "Buildings—Educational, Religious."

B. C., North Vancouver—Making plans and soon takes bids constructing Kinnedy Lake Storage system, etc. Y. S. Hanes, 128 3rd St. W., engr.

Bids Desired

Mass., Boston — Sept. 7, by Dept. Pub. Wks., laying and relaying mains in various streets in Charlestown, Dorchester and Roxbury; and Sept. 8, in Brighton. $25,000. J. H. Sullivan, comr.

Mass., Boston — Sept. 9, by Dept. Pub. Wks., laying and relaying mains in Park Sq., Columbus Ave., Beaver, Charles, Arlington and Tremont Sts. $63,000 bonds. J. H. Sullivan, comr.

Mass., Clinton—Town, Bd. Selectmen taking bids earth and concrete reservoir. $25,000 or more. Parker, Bateman & Case, Clinton, engrs. Noted Aug. 5.

Mass., Norwood—Bird & Sons, Inc., East Walpole, taking bids concrete reservoir. $25,000. Monks & Johnson, 99 Chauncy St., Boston, engrs. Noted Aug. 12.

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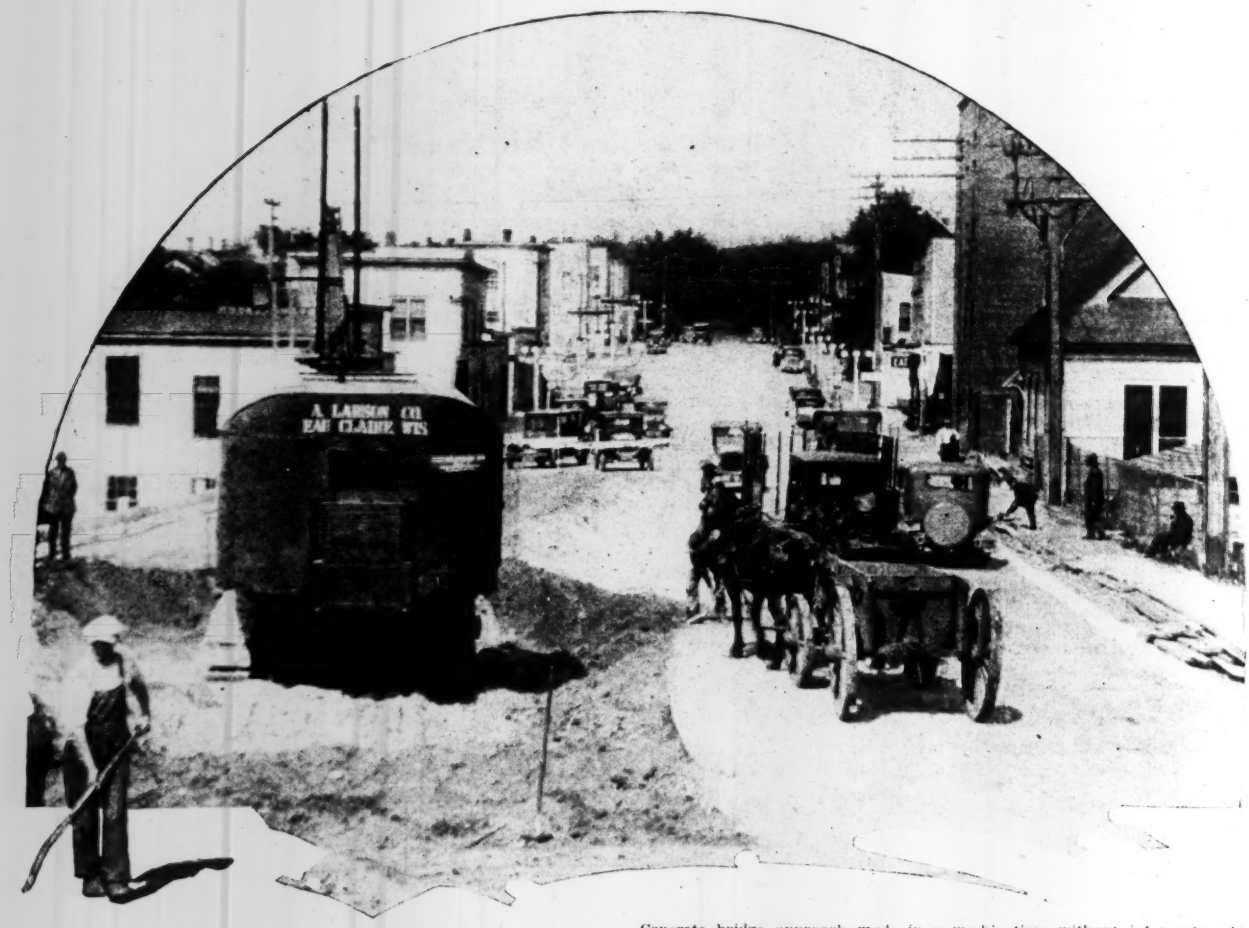

Concrete bridge approach made in a week's time without interruption to traffic at Eau Claire, Wis. Quick-hardening concrete obtained by A. Larson Co., contractor, using thoroly tested methods and standard *Universal* cement, the same quality *Universal* regularly handled and furnished by Wisconsin Pipe & Fuel Co., Eau Claire, Wis. City Engineer, J. T. Hurd.

Quick-Hardening Concrete Prevents 21-Day Shut-Down of Important Highway

Improvement Completed on State Road at Eau Claire, Wis., Without Closing Road to Traffic

To overcome a traffic delay in building a bridge approach on State Highway No. 12, Eau Claire, Wis., the city engineer and contractor used thoroly tested methods to secure Quick-Hardening *Universal* concrete that is as strong in *3 days* as ordinary concrete is in *28 days*.

The approach was built in two sections, traffic being permitted on one side of the road while work on the other was in progress. Ordinarily, such an improvement would have closed the road for at least *21 days*, but use of these methods completed the job in a week, and without any delay to traffic.

Quick-hardening concrete made with special methods and standard *Universal* cement, the same quality *Universal* regularly used, will help you on many rush jobs. The coupon below will bring you detailed information promptly.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

UNIVERSAL PORTLAND CEMENT CO.,
310 South La Salle Street, Chicago

Without obligation, please send me detailed information on methods for securing strong concrete in 3 days with standard *Universal* cement, the same quality *Universal* regularly used.

Name .....

Address .....

ENR-9-2-26

Waterworks (Continued)

Mass., South Braintree (Ind. br. Boston) —Town, W. C. Harrison, chn. com., taking bids 1 m.g. stand pipe. $25,000. Private plans.

R. I., Providence — Sept. 22, at office Water Supply Bd., City Hall, 6- to 48-in. bronze mounted gate valves. F. E. Winsor, 661 Westminster St., c. engr.; adv. E. N.-R. Sept. 2.

N. J., Livingston—Sept. 9, by C. G. Zahm, twp. clk., 12,300 lin.ft. mains, etc. in Livingston Ave. C. A. Winston, Macintosh Bldg., West Orange, engr. Noted June 10.

Ga., Homerville—Sept. 7, by Town, A. H. Cullpepper, mayor, waterworks improvements, incl. 75,000 gal. capacity tank on 100 ft. tower, 200 g.p.m. plunger type deep well pump and motor, 9,200 ft. 6- to 8-in. c.i. pipe, etc. C. V. Downing, Lake City, Fla., engr.

Tenn., Knoxville—Sept. 9, by City Manager, 1 m.g. capacity circular rein.-con. reservoir. To exceed $15,000. Alvord, Burdick & Howson, 1417 Hartford Bldg., Chicago, Ill., engrs. This corrects report in Aug. 26th issue.

O., Bexley (Columbus P. O.)—Sept. 13, by S. W. Roderick, village clk., 5,000 ft. 16 in. c.i. pipe. $28,000. Jennings & Lawrence Co., Hartman Bldg., Columbus, engrs.

O., Euclid—See "Sewers."

Ind., Ellettsville—Water Wks. Plant, taking bids rein.-con. reservoir, electric pumps, mains, and 60,000 gal. steel tank. $40,000. Herr Eng. Co., Terra Haute, engrs.

Ill., Wilmette—Sept. 7, by Village, waterworks 65,150 ft. 6- to 12-in. c.i. mains, 71 ft. 6- to 12-in. gate valves, 122 fire hydrants, etc. in Gross Point addition. $213,468. C. N. Roberts, 155 North Clark St., Chicago, engrs. Noted Dec. 17.

Minn., St. Paul—Sept. 7, by A. E. Eggert, city purch. agt., 1,125 water meters. G. M. Shepard, city engr.

Tex., Childress—F. F. DuBose, consult. engr., Childress, taking bids extending waterworks, incl. 6, 8 and 10 in. c.i. pipe, etc., for City. $20,000. Noted May 18.

Tex., Stephenville—Taking bids improving waterworks. $40,000. Noted Aug. 19.

Tex., White Deer — Morrison & Hasie, engrs., 1125 Athletic Club Bldg., Dallas, taking bids complete waterworks here, for City. $30,000. Noted July 29.

Okla., Cyril—City in market 70 g.p.m. deep well pump and 15 hp. motor. J. C. Wolfe, mayor.

Okla., Rush Springs—City in market 100 g.p.m. motor driven triplex pumping unit. L. Leverett, mayor.

Calif., San Francisco—Sept. 15, by Bd. Pub. Wks. 38,300 ft. tunnels, Foothill Div. Hetch Hetchy Water Supply, for City and San Francisco Co. $2,500,000. M. M. O'Shaughnessy, city engr.

Que., Laprairie—Sept. 7, by M. A. Sicotte, extending waterworks. $35,000. F. C. Laberge, 30 St. James St., Montreal, engr.

Que., Chicoutini—La Corporation d'Aqueduct de St. Joseph de Alma in market equipment for waterworks. E. Boiuin, purch. agt.

Bids Received

N. Y., Brooklyn—N. J. Hayes, comr., Water Supply, Gas & Electricity, Municipal Bldg., Aug. 27, mains in Barker, Baychester, Calhoun Aves., etc., from Melrose Constr. Co., 103 East 125th St., $14,900. Noted Aug. 19.

N. Y., Brooklyn—N. J. Hayes, comr., Water Supply, Gas & Electricity, Municipal Bldg., New York City, Aug. 27, mains in Glenmore, Laurel, Miller and Troy Aves., here, from N. De Stefano, 378 Woodstock Ave., $7,998. Noted Aug. 19.

N. Y., Kingston—Bd. Water Comrs., City Hall, 3,500 lin.ft. 20 and 24 in. c.i. pipe and constructing Binnewater Reservoir, etc., Contr. C. from Kuchar Bros., Montvale, N. J., $82,374. Noted Aug. 12.

N. Y., Long Island City—N. J. Hayes, comr., Water Supply, Gas & Electricity, Municipal Bldg., New York City, Aug. 27, mains in 55th Dr., Westmoreland, 37th, Clermont Aves., etc., here, from G. V. Cornell, Fort Wadsworth, $6,332.

N. Y., New York—N. J. Hayes, comr., Water Supply, Gas & Electricity, Municipal Bldg., Aug. 27, mains in Barker, Baychester, Calhoun Aves., etc., from Melrose Constr. Co., 103 East 125th St., $14,900. Noted Aug. 19.

N. J., Rahway—Equipment for water plant, incl. 4.5 m.g. and 6 m.g. pumps and motors, from Turbine Engine Co., 30 Church St., New York City, $25,940.

O., Cincinnati—Hamilton Co., 12,684 ft. 6 in. c.i. mains in Water Supply Line 34; Dist. 3, from W. Hennigan, 16 East 7th St., $23,814, engrs. est. $28,125; 30,228 ft. 6 and 8 in. in Water Supply Line 40, Dist. 4, from Crumley, Jones & Crumley, 311 Temple Bar Bldg., $54,814, engrs. est. $63,710; and 21,068 ft. 6 in. in Water Supply Line 16, Dist. 1, from Metzel & O'Hearn, 701 Gerke Bldg., $36,524, engrs. est. $44,526.

O., Cleveland—Superstructure 1 story, 65 x 100 ft., brick pumping station at Kirtland Pumping Station, from Schirmer-O'Hara Co., 1720 Euclid Ave., $101,682. Noted Aug. 19.

O., Cleveland—Cuyahoga Co., 19,000 ft. 12 in. c.i. mains in Brecksville Rd., Impvt. 1150, from Muntillio & Dinsio, 2029 Murray Hill Rd., $93,245.

Wis., Milwaukee—Central Bd. Purchases, Aug. 20, 500 tons plain straight c.i. pipe, from Glamorgan Pipe & Fdry. Co., 122 South Michigan Blvd., Chicago, Ill., at $47.40 per ton.

Okla., Oklahoma City—M. Peshek, Jr., city clk., Aug. 17, 80,000 ft. 6 in. rein.-con. c.i. mains in various streets, from Sherman Iron Wks., 18 East Main St., $101,800. Engrs. est. $145,000. Noted Aug. 12.

Contracts Awarded

Mass., Boston—City, Supply Dept., 300 valves for Water Dept., to McCulloch Mfg. Co., 200 Old Colony Ave., South Boston, $6,770.

Mass., Boston—For 300 tons 24 in. Class "B" c.i. water pipe, to Warren Fdry. Pipe Co., 201 Devonshire St., $53.45 per ton. Noted Aug. 19.

Mass., Boston—Supply Dept., 600 meter boxes, to J. A. Singarella, 110 High St., Boston, $7.20 each; also 500 oval meter box covers and 400 oval boxes, to E. I. LeBaron Fdry. Co., Brockton, $0.0425 lb. Noted Aug. 12.

Mass., Falmouth — Water Comr., 6- to 12-in. centrifugal pipe in Sects. 6 and 9, to Vincenzo Calabrese & Son, Milford.

R. I., Providence—Office Water Supply Bd., 7 mi. Neutacokanut conduit in Providence, Cranston and Johnson, to Lock Joint Pipe Co., Ampere, N. J., $1,093,700. Noted Aug. 5.

O., Cleveland—Cuyahoga Co., 5,500 ft. 6 and 8 in. c.i. mains in Impvt., 573, Volan and Gunhill Aves., to M. Iafornaro Co., 2280 Murray Hill Rd., $13,447; and 2,600 ft. Impvt. 555, Tarkington and Elsmere Aves., to Yahya Bros., 3196 West 25th St., $6,198. Noted July 29.

O., Sheffield Lake—Village, 3½ mi. 12 in. c.i. mains in Lake Rd., to Trifolletti Bros., Lorain, $75,791; also 1 story, 13 x 13 ft., brick booster pumping station, to Freeman-Jones, Inc., 5713 Euclid Ave., Cleveland, $5,723. Noted Aug. 5.

Mich., Birmingham—Hubbell, Hartgering & Roth, engrs., 2640 Buhl Bldg., Detroit, 9,600 ft. 6 in. c.i. mains, etc., in various streets, for Elizabeth Lake Estates, to W. G. Hoy Co., Redford, $15,000.

Mich., Detroit—Bd. Fire Comrs., 1,500 lengths 6 in. c.i. pipe in 12 ft. lengths, to Lynchburg Fdry. Co., Lynchburg, Va., $47.55 per ton; 1,000 standard fire hydrants, and 1,000 6 in. double disc hub end gate valves, to Michigan Valve & Fdry. Co., 3631 Parkinson St., $60,450 and $14,950 respectively.

Mich., Detroit—Bd. Water Comrs., 176 East Jefferson Ave., electric power transmission cables and transformer station wiring at Water Works Park, to Miller-York, Inc., 1523 East Congress St., $32,300. Noted July 22.

Mich., South Haven—Bd. Pub. Wks., waterworks improvements, Div. A, filtration plant, incl. filtered water, coagulation and mixing basins, filters, filter superstructure, pump room, etc., and Div. D, 1½ m.g. capacity concrete stand pipe, etc., to Cope & Fisher, Decatur, Ill., $121,955; Div. B, filter equipment and piping, incl. pump rooms, valves, etc., for 3 filter units of 1½ m.g. capacity, and Div. C, pumping equipment, incl. electrical driven and 2 gasoline driven centrifugal pumps, etc., to F. B. Leopold, 422 First Ave., Pittsburgh, Pa., $32,350. Noted Apr. 29.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., to U. S. Iron Pipe & Fdry. Co., 122 South Michigan Blvd., Chicago, Ill., 115.45 tons 36 and 42 in. plain, straight pipe at $46.90 per ton, 171.95 tons 30- to 42-in. lugged pipe $66.90, and 156.37 tons 20- to 42-in. special castings $103; to J. Brogan & Sons, 211 Grand Ave., laying 5,130 ft. 8- to 30-in. c.i. mains in 13th St. and Grand Ave. $52,694, and to Lancaster & Fredericks, Monomonee Falls, 4,980 ft. 8- to 30-c.i. mains in 19th and Cherry Sts. $47,726. Noted Aug. 5.

Ia., Dubuque—For 32 x 100 ft. standpipe, to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 3rd Sts., Des Moines, $17,333; 6 m.g. waterworks pump, to De Laval Steam Turbine Co., 122 South Michigan Blvd., Chicago, Ill., $6,680. Noted July 22.

Minn., Ely—Watermains and sewer extensions, to Wilton Gianotti, Ely, $57,763. Noted Aug. 12.

Kan., Lawrence—New waterworks intake in Kansas River and laying new 20 in. submerged pipe line, to Topeka Bridge & Constr. Co., 109 West 6th St., Topeka, approximately $36,000.

Tex., Laredo—Central Power & Light Co., will lay 14 in. mains from new 2 m.g. reservoir to business district. $35,000 Work will probably be done by day labor. Private plans.

N. M., Las Cruces — Waterworks improvements, incl. mains, pumping equipment, etc., to Las Cruces Lumber Co., Las Cruces, $31,712.

B. C., Vancouver—E. A. Cleveland, engr., Bekins Bldg., 4,500 ft. 60 in. steel pipe, etc. for Papilano pipe line, to Vancouver Eng. Wks., 519 6th Ave. W., $52,257.

B. C., Vancouver—For 15,000 ft. 6 in. c.i. pipe, to Evans, Coleman & Evans, foot of Columbia Ave., $11,670.

Sewers

Proposed Work

Mass., Quincy (Ind. br. Boston)—Plans extending sewerage system. $30,000 appropriated. Private plans.

N. Y., Freeport—Made preliminary plans sewerage system and disposal plant. $585,000. N. S. Hill, 112 East 19th St., New York City, engr.

Miss., Flora—Election soon $45,000 bonds, sanitary sewerage system. H. A. Mentz, Citizens Bank Bldg., Hammond, La., engrs.

Miss., Meridian—Voted $125,000 bonds, sewers in various streets. W. H. Owens, mayor. Noted Aug. 12.

S. C., Laurens—See "Waterworks."

O., Canton—Bd. Control soon takes bids sanitary sewers in Boylan Ave. S. E., 18th St. N. E., and Lutz Pl. N. E., etc. $35,000. W. E. Sarver, City Hall, engr.

O., Cincinnati—Hamilton Co. plans 54,217 ft. 6-to-12-in. vitr. clay sewers in Sewer 4 Dist 1. $130,084. L. C. Boyatt, Court House, engr.

O., Springfield—Bd. Control takes bids in spring 0.9 mi. Western Ave. diversion sewer, $40,000; 1.20 mi. Willis Ave. branch sewer, $28,000, 1.13 mi. Big Four branch sewer, $26,500, and 3 mi. Mill Creek branch sewer, $310,000. W. E. Lucas, Springfield, engr.

O., Springfield—City Manager soon takes bids 0.83 mi. 36- to 42-in. sewer in Buck Creek Siphon, $103,000; 0.3 mi. 24 in. in Indian Run Siphon, $31,300; 0.6 mi. 10- to 20-in. extension of High Level Interceptor, $29,000; 2.33 mi. 24- to 48-in. in Mill Run Interceptor, $128,300; and 1.1 mi. 8- to 12-in. Wheldon Ditch Interceptor, $42,500. W. E. Lucas, Springfield, engr.

Ill., Westville—Making plans complete sewerage system. $26,000. J. F. Fisher, 209 Dale Bldg., Danville, engr.

Ill., Wilmette—Made plans sewers in Indian Hill Estates Addition. $69,950. C. N. Roberts, 155 North Clark St., Chicago, engr.

Kan., Ottawa—Plans sewerage system and disposal plant. To exceed $25,000. Engineer not select 1.

Mo., Jefferson City — Voted $187,000 bonds sanitary sewerage system. Black & Veatch, 700 Mutual Bldg., Kansas City, engrs. Noted Aug. 12.

Mo., Moberly—Soon takes bids sewage disposal plant., $75,000. Black & Veatch, 701 Mutual Bldg., Kansas City, engrs. Noted Apr. 22.

Mo., Westplains—Takes bids about Sept. 15, sewers in various streets and sewage disposal plant. $100,000. Russell & Axon, 412 McDaniels Bldg., Springfield, engrs. Noted July 8.

Tex., McAllen—Making plans and takes bids about Sept. 15, sewage disposal plant, incl. pump, Imhoff tank, chlorinator, etc. $35,000. Card & Parks, resident engrs.

Tex., San Antonio — City, J. W. Tobin, mayor, election soon $700,000 bonds, storm sewers, also $650,000 bonds sanitary sewers in various streets. I. Ewig, city engr.

Okla., Blackwell—Voted $112,000 bonds, new outfall sewers and disposal plant. W. Ritzhaupt, Blackwell, engr.

Okla., Coweta—See "Waterworks."

Okla., Hennessey—Made preliminary surveys 2 mi. storm sewers, etc., in various streets. $28,000. H. Harris, Hennessey, engr.

Okla., Krebs—Made preliminary plans 24,200 ft. 8- to 12-in. vitr. clay sewers, etc. in various streets. $31,000. H. J. Davis, mayor. Engineer not selected.

Okla., McLoud — Plans new sewerage system. $28,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engr.

Okla., Okeene—Election Sept. 1, $47,000 bonds, 6 mi. sanitary sewers, etc., in various streets. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

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Sewers (Continued)

Calif., Los Angeles—Los Angeles Sanitation Dist. 1, rejected bids 6,505 ft. 30 and 36 in. rein.-con. sewer, etc. in Holmes-Willowbrook Trunk Sewer between Temple St. and south city boundary. Noted Aug. 12.

Calif., Los Angeles—Made plans 4,676 ft. 8 and 10 in. rein.-con. sewers, etc. in Annandale Ave. and Tipton Way Sewer Dist.

Que., La Salle—See "Streets and Roads."

Bids Desired

R. I., Providence — Sept. 7, by City, sewerage works in various streets. $25,000. Private plans.

N. Y., Patchogue—Sept. 14, by Village, E. R. Bellman, pres., sewage disposal plant, Hammond St. H. B. Cleveland, 38 Park Row, New York City, engr., adv. E.N.-R. Sept. 2.

Pa., Bridgeport—Sept. 21, at Boro Hall, sewerage system. J. E. Cresson, Norristown, boro engr. Albright & Mebus, 1502 Locust St., Phila. consult. engrs.; adv. E. N.-R. Sept. 2.

Miss., McComb—Sept. 17, by B. E. Butler, city clk., complete sewage disposal plant, incl. Imhoff tank, sprinkling filter, etc. $45,000. Former bids rejected. H. A. Mentz, Citizens Bank Bldg., Hammond, La., engr. Noted Aug. 12.

La., Bunkie—Sept. 7, by City, 64,000 ft. 8- to 18-in. sewers and 13,000 ft. 10 in. pressure outfall sewers, sewage station, pumping equipment, etc. in various streets. $160,000. H. A. Mentz, Citizens Bank Bldg., engr. Noted June 17.

O., Dayton—See "Streets and Roads."

O., Euclid — Sept. 7, by Village, storm and sanitary sewers and water mains in Morris and Wilmore Aves. To exceed $25,000. F. A. Thomas, Town Hall, engr.

Mich., Flint—Sept. 24, by F. D. King, city clk., constructing Sewage Treatment Plant, Contr. S. D. 4; adv. E. N.-R. Sept. 2.

Mich., Grand Rapids—Sept. 8, by F. H. Locke, city mgr., Coldbrook Creek Drain, rein.-con., Contr. F-7.

Ill., Berkley—Sept. 8, by Village, 6- to 10-in. c.i. mains in various streets. $107,000. E. Hancock Eng. Co., 2047 Ogden Ave., Chicago, engrs.

Ill. Wilmette—Sept. 7, by Village, 63,150 ft. 8- to 30-in. vitr. sewers, etc. in Gross Point addition. $202,438. C. N. Roberts, 55 North Clark St., Chicago, engr. Noted Dec. 17.

Wis., Milwaukee—Sept. 8, by Dept. Pub. Wks., sewers in various streets, incl. 3,460 ft. 8 in. and 2,000 ft. 6 in. vitr. pipe, 4,506 ft. monolithic concrete and 920 ft. 60 in. concrete pipe.

Minn., Waverly — Sept. 20 (extended date), 11,600 lin.ft. 8 and 10 in. sanitary sewer, etc. in various streets. $35,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs. Noted June 3.

Mo., St. Louis — Sept. 14, by Bd. Pub. Serv. J. Pritchard, dir., City Hall, c.i. sewer from Missouri River to site of new filter plant, at Howard Bend water plant. $25,000.

Ark., Warren—See "Streets and Roads."

Okla., Red Fork—Taking bids sewerage system. $35,000. W. E. Davis, 219 Cole Bldg., Tulsa, engr. Noted June 24.

San Francisco, Calif.—See "Streets and Roads."

Ont., Toronto—See "Contracts Awarded."

Bids Received

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sanitary sewer in Brinkerhoff Ave. from Paulsen Constr. Corp., 2103 Sutphin Blvd., Jamaica, **(a)** $308,340 and **(b)** $296,496. Noted Aug. 19.

O., Willowick — Village, Aug. 14, storm sewers in 14 streets, from A. C. Hattendorf, Stop 14 Euclid Ave., Euclid, $71,000. Noted Aug. 5.

Wis., Cudahy—City, Aug. 17, sewers and water service connections in various streets, from J. R. Williams, 716 Squire Ave., $40,000.

Tex., San Benito—Storm sewer between business district and drainage ditch, from Dodd & Wedegartner, San Benito, $25,000. Noted Aug. 12.

Contracts Awarded

Mass., Boston—Dept. Pub. Wks. sewerage works in Walworth St., West Roxbury, to De Christoforo Bros., Co., Rosindale, $17,429; in Regina Rd., Dorchester, to N. Bartolomee, East Boston, $5,631; in Montcalm Ave., to V. Barletta, Rosindale $8,191, in Willow Dean Ave., to J. Todesco, Roxbury $4,496. Grand total $35,747. Noted Aug. 19.

Mass., Boston—Sewerage works in Greylock Rd., Brighton, to V. Barletta, 10 Whipple Ave., Rosindale, $20,631. Engrs. est. $25,000. Noted Aug. 26.

Pa., Phila.—Dept. Pub. Wks., Bureau Engineering, sewers in Aramingo Ave. from Frankford Creek, to Sepviva St. and in 49th St. from Schuylkill River to Penn. R.R. tracks, to J. and R. Lombardi, Lincoln Bldg., $150,621 and $43,989 respectively; extension Sandy Run from Lexington Ave., to Bois Ave., to Ryan Constr. Co., Real Estate Trust Bldg., $14,995; and Oak Lane Collecting Sewer, to J. J. McHugh, 1617 Race St., $125,261. Grand total $334,866. Noted Aug. 26.

O., Cleveland—For 2,060 ft. 4 to 8 ft. segmental block sewer in Miles Ave., to Amato Constr. Co., The Arcade, $55,645; and in Neff Rd., to Ciraci Constr. Co., 7414 East 124th, 123rd St., $37,747. Noted July 29.

O., Cuyahoga Falls—Sanitary sewers in Grant, 12th, 13th, 14th, 19th, 20th and High Sts., to Curan & Brancich, Akron, $37,909. Engrs. est. $50,000.

O., Delaware—Dir. Pub. Serv., City Hall, sewage disposal plant, to Pitt Constr. Co., Empire Bldg., Pittsburgh, Pa., $202,281. Noted July 15.

O., Euclid—Sewers in Pasnow Ave., East 240th and 244th Sts., Effingham, Greenwood and Oakham Rds., Sherwood and Glenbrook Blvds., to Curro & Whittaker, Engineers Bldg., Cleveland, $61,200.

O., Willowick (Wickliffe P. O.)—Storm sewers in 17 streets, to A. C. Hattendorf, Stop 14, Euclid Ave., Euclid, $71,000. Noted July 1 under "Ohio."

Ind., Connersville—City Clerk sewer in 3rd St., to Weis & Horan, Anderson, $29,969.

Ill., Niles Center — Devonshire Sewers, incl. 12- to 36-in. vitr. pipe, etc., to E. R. Harding, 400 Janes Blk., Racine, Wis., $97,974.

Wis., Manitowoc — For 10,000 lin.ft. 24 in. concrete trunk sewer and 4,000 lin.ft. laterals in Waldo Blvd., to Gray-Robinson Constr. Co., Torrison Bldg., $78,000. Noted July 22.

Wis., Milwaukee — Dept. Pub. Wks., to P. & L. Co., 38 Edgewater Ave., storm and sanitary sewer in Algona St. $15,428, Keefe Ave. and Dousman St. $11,222, Menomonee Dr. $2,373, Kriz Park $2,842, St. Paul Ave. $3,729, 8th St. $6,103, 9th St. $3,085, 10th St. $2,373 and 40th St. $2,076; to Shabart-Rouch, Inc., 1004 41st St., Burnham St. $4,590, Mt. Vernon Ave. $2,218, 12th St. $3,743, South 12th St. $1,811, 31st Ave. $14,099 and 32nd Ave. $18,346; to Wenzel & Henoch Constr. Co., 498 27th St., Maurice Ave. $2,410 and West 37th St. $17,062; to Clayton Constr. Co., 929 Hackett Ave., Port Washington Rd., $99,140; and to A. H. Kock, 2917 Grand Ave., 39th St. $28,085. Grand total $240,735.

Minn., Ely—See "Waterworks."

Minn., Ely—Sewers and watermains in Morris Addition streets, to W. Gianotti, Ely, $57,763. Noted Aug. 19.

Minn., St. Peter—Rock excav. and sewers in various streets, to L. Overn, St. Peter, $14,437 and $22,337 respectively.

Minn., West Concord—Sewage disposal plant, to Industrial Contg. Co., 3050 4th Ave. S., Minneapolis, approximately $15,000. Noted July 22.

Neb., Omaha—Vitr. clay sewers in 60th, 66th, Center and Pacific Sts., to Humphreys Bros., 408 Securities Bldg., $31,474.

Mo. Charleston—Four sewage pumping stations, to Rowan & Rickard, Sikeston, approximately $26,000. Noted Aug. 22.

Mo., St. Louis—See "Streets and Roads."

Tex., Pharr—P. S. Devine, engr., Pharr, complete sewerage system, to Agar & Gentry, San Benito, approximately $43,000. Engrs. est. $45,000. Noted July 15.

Tex., Houston—San Jacinto Co., c/o C. A. Cosky, sales mgr., Humble Bldg., Houston, sewerage system for Meadowbrook addition, to C. K. Horton, 2202 Clay Ave., $34,677. Engrs. est. $40,000.

Tex., Wolfe City — Complete sewerage system and disposal plant, to E. L. Dalton, 319 Wilson Bldg., Dallas, approximately $25,000.

N. M., Las Cruces—Extending sewers, etc., in various streets, to Las Cruces Lumber Co., Las Cruces, $67,046.

Calif., Los Angeles—Los Angeles Co., 7.62 mi. sewers in 87th St., etc., to L. Miletich, 610 West 5th St., $80,291. Noted July 22.

Calif., Los Angeles—Bd. Pub. Wks., sanitary sewer and concrete storm drain in Arroyo de la Sacatela Storm Drain Sect. 3, to C. U. Heuser, 816 Allen Ave., Glendale, $965,000. Noted Aug. 26.

Calif., Los Angeles—Los Angeles Sanitation Dist. 1, 9,523 ft. 36 in. rein.-con. sewer in Bulls Rd. trunk sewer between Greenleaf Dr. and Emirlian St., to T. Kelly & Sons, Inc., Hillstreet Bldg., $114,602. Noted Aug. 12.

Calif., Los Angeles—Sewers in Atwater Ave., to P. J. Akmadzich, Frost Bldg., $151,667.

Calif., Ojai—For 20,190 ft. 8 in. vitr. sewerage system and disposal plant, to L. W. King, Financial Centre Bldg., Los Angeles, $101,216.

Ont., Riverside—Vitr. tile and concrete storm drainage sewerage, to Morand & Adair, Riverside, $250,000. Noted May 13.

Ont., Toronto—York Twp. will lay 8 in. and up vitr. tile sewers in Wetheral, Silverthorn and Belvidere Aves., Preston, and Mossom Rds., by day labor $21,050, in. Seneca and Cayuga Aves., to W. E. Taylor, 22 Falcon St., $9,527.

Bridges

Proposed Work

Mass., Boston—Commonwealth of Massachusetts, Metropolitan Dist Comn., having sketches made by Desmond & Lord, 1 Beacon St., Cottage Farm Bridge, concrete and steel, over Charles River. $1,200,000.

Mass., Medford (br. Boston)—City and Commonwealth of Massachusetts, Boston, soon take bids 40 x 60 ft. rein.-con. bridge over Mystic River, Winthrop St. $60,000. F. R. Charnock, City Hall, engr.

D. C., Wash. — Dist. Comrs., District Bldg., received no bids Aug. 23, repairing swing span of highway bridge.

Mich., Sandusky—Making plans improving bridges on Black River. L. C. Read, engr.

Minn., St. Paul—Ramsey Co. plans concrete bridge, etc., at junction of Mississippi and Minnesota Rivers, between Ft. Snelling approach of Mendota Bridge and Pike Island. $30,000. P. N. Coats, Guardian Life Bldg., co. engr.

Mo., Cape Girardeau — Local Syndicate, c/o Chamber of Commerce, C. L. Harrison, chn., soon takes bids rein.-con. and steel vehicular bridge across Mississippi River. $1,600,000. Howard & Ash, 1012 Baltimore St., Kansas City, engrs. Noted Dec. 17.

Mo., Kansas City—Bd. Park Comrs. making preliminary plans 375 ft. rein.-con. bridge over Mill Creek Parkway, near 43rd St. $50,000. Harrington, Howard & Ash, Orear-Leslie Bldg., engrs.

Okla., Harrah—State Hy. Dept., Oklahoma City, made plans one 68 ft. span through girder bridge on concrete piers over Rock Island R.R. tracks, Oklahoma, Co., here. $41,000. J. M. Page, highway engr.

Okla., Oklahoma City—State Hy. Dept., Oklahoma City, making preliminary plans 4 span 160 ft. rein.-con. trestle bridge over end of reservoir, on Highway 3, Oklahoma Co. $55,000. J. M. Page, highway engr.

Tex., Groesbeck—Limestone Co. making plans 3 steel bridges on concrete foundations, over Navasota River, one at Comanche, one at Reunion Grounds and other at Long Bridge crossings. $90,000. H. Boyette, c/o Pittman Bldg., Mexia, engr.

Tex., Huntsville — See "Streets and Roads."

Tex., Kerrville—See "Streets and Roads."

California—By State Hy. Comn., Sacramento, cancelled bids to have been opened Aug. 2, three 54 ft. and one 30 ft. span rein.-con. girder bridge, etc. over Gaviota Creek, Santa Barbara Co. Will readvertise. R. M. Morton, Forum Bldg., Sacramento, engr. Noted July 22.

Bids Desired

Conn., Bristol—Sept. 7, by City, 2 span 68 ft. concrete bridge, on Downs St. To exceed $25,000. C. W. Buell, 175 Main St., engr.

N. Y., Bronxville—Sept. 15, at office Westchester Co., Park Comn., 72 West Pondfield Rd., 4 stone faced rein.-con. bridges on Hutchinson River Parkway, Mt. Vernon, New Rochelle, North Pelham and East Chester. J. Downer, ch. engr.; adv. E. N.-R. Aug. 26.

Pa., Phila. — Sept. 8, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., bridge and repair parts, spec. for steel bridges dated Oct. 1, 1926, Contr. 32-1926.

Pa., Pittsburgh — Sept. 8, by Comrs. Allegheny Co., masonry, approach filling

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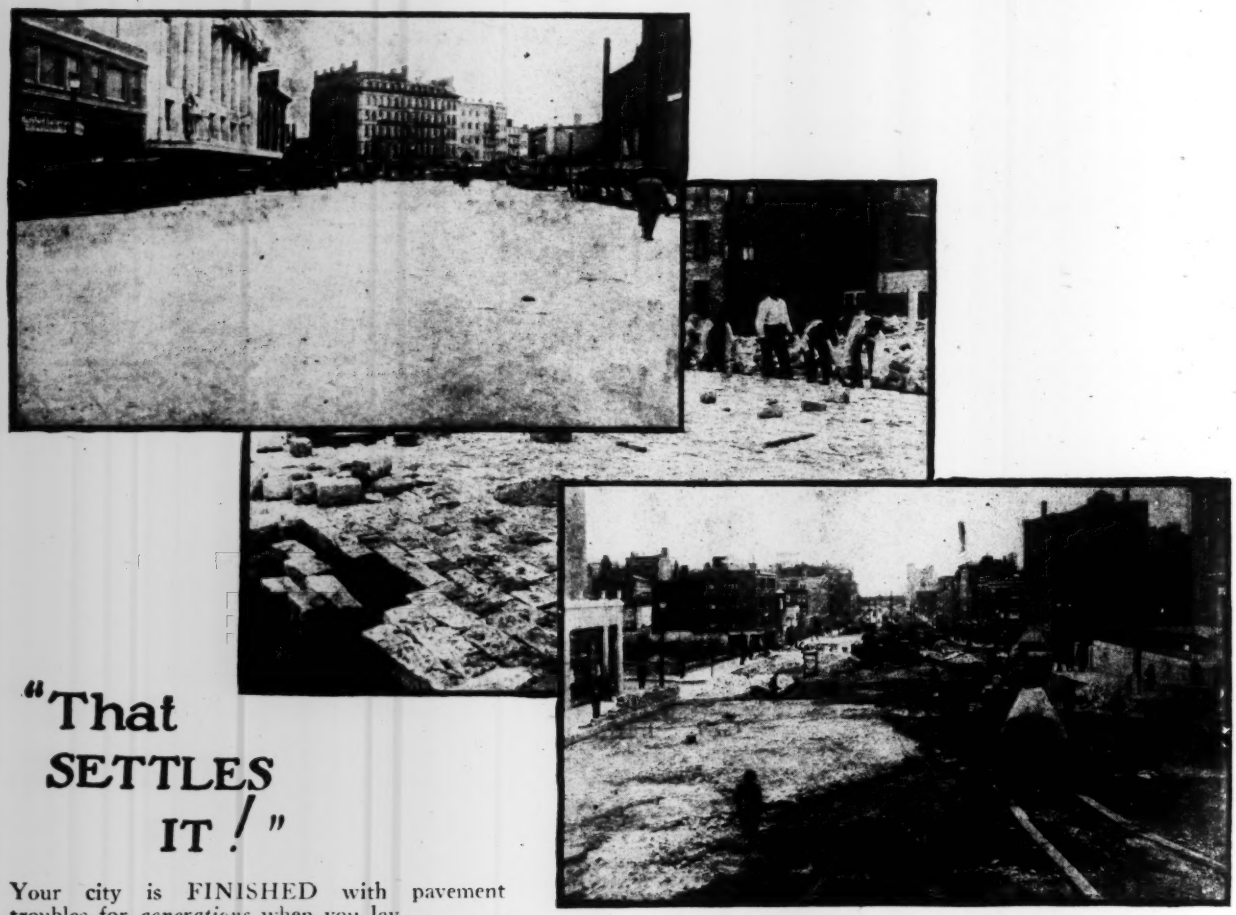

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Bridges (Continued)
and paving McKeesport-Duquesne Bridge 5 over Monongahela River. $150,000.

N. C., Washington—Sept. 6, by Rd. Comn. Beaufort Co., Laughinghouse Bldg., creosoted timber bridge and 8 concrete culverts, on Aurora Rd. between Aurora and Chocowinity. T. Freeman, engr.

Alabama—See "Streets and Roads."

La., Bastrop—Sept. 21, by Police Jury Morehouse Parish, 493 ft. creosoted timber bridge over Bayou Bartolomew, on Project 99, 2 mi. west of here. Parish will furnish lumber f.o.b. here. J. L. White, Court House, engr.

Illinois—Sept. 15, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, 2 rein.-con. abutments, 8 concrete and 2 timber fender piers on Route 36, Sect. 20, Pike Co., 49,340 lb. reinforcing, 23,468 ft. treated and 22,320 ft. untreated piles, etc.; eight 250 ft. steel spans with rein.-con. floors and one movable span, on Route 36, Sect. 20-C. F. T. Sheet, highway engr.

Ohio—Sept. 17, by Dept. Highways & Pub. Wks.,Columbus, concrete arch bridge over Two Mile Creek, Sect "B" Hamilton-Richmond Rd., Butler Co., $7,603; two under 20 ft. span concrete bridges, excavating and grading Sect. "M" I. C. H. 395, Vinton Co., $9,700 and 3 mi. drainage structures on Sect. "L" Ohio River Rd., Jefferson Co., $10,000.

Kan., Fredonia—Sept. 9 (change of date), by Clerk Wilson Co., one 40 ft. and four 30 ft. spans deck girder bridges, one 56 ft. and two 120 ft. span concrete arch bridges, also 0.511 mi. earth approaches on Federal Aid Project 353-A. E. C. Baity, Fredonia, engr.

Kan., Hiawatha — See "Streets and Roads."

Tex. Abilene—See "Streets and Roads."

Tex., Groveton—See "Streets and Roads."

Tex., Waxahachie — See "Streets and Roads."

Bids Received

Ky., Carrollton—State Hy. Dept., Frankfort, Aug. 23, steel superstructure 1 span 164 ft. bridge over Little Kentucky River, State Aid Project 13-A, Carroll Co., near here, from Vincennes Bridge Co., Vincennes, Ind., $17,292; 4 rein.-con. girder substructure for same, from McCord & Neibert Constr. Co., Montesuma, Ind., $44,786. Noted Aug. 5.

Kan., Fredonia—Sept. 23, by Clerk Wilson Co., one 40 ft. span and one 120 ft. span bridge, also one 30 ft., one 120 ft. and one 56 ft. span bridge on Federal Aid Project 353-A. E. C. Baity, Fredonia, engr.

Calif., Santa Cruz—Santa Cruz Co., rein.-con. girder bridge, on Santa Cruz-Boulder Creek Highway, from C. C. Gildersleeve, Truckee, $29,996.

Contracts Awarded

Massachusetts — Comrs. Barnstable Co. (Barnstable) altering and repairing Bass River Bridge, concrete and timber, between Yarmouth and Dennis, to L. S. White, Inc., 25 Huntington Ave., Boston, $28,000.

Massachusetts—See "Streets and Roads."

New York and New Jersey—Executive Office Port of New York Authority, 75 West St., New York City, superstructure 2 bridges over Arthur Kill, Outerbridge Crossing from Perth Amboy, N. J., to Tottenville, N. Y., to McClintic-Marshall Co., 50 Church St., New York City, $2,599,150; and other from Elizabeth, N. J., to Howland Hook, N. Y., to Bethlehem Steel Co., 25 Bway., New York City, $1,888,269. Noted Aug. 5.

New Jersey—State Hy. Dept., Trenton, widening 5 bridges on Route 8, Sect. 6, Monmouth Co., to Hill Constr. Co., 132 Huline St., Mt. Holly, $31,509. Noted Aug. 26.

Pa., Pittsburgh—Dept. Pub. Wks., 380 ft. stone bridge over Wood River, to J. T. Nealon, 126 Fayette St., Oakdale, $65,285. Engrs. est. $75,000. Noted July 15.

Pa., Pittsburgh—Allegheny Co., masonry for Guyasuta Bridge, on Freeport Rd., State Highway Route 70, O'Hara Twp., to Williamson Constr. Co., Turtle Creek, $39,-944. Engrs. est. $50,000.

Pa., Pittsburgh — Dept. Pub. Wks., Allegheny Co., 519 Smithfield Bldg., bridge masonry and approach fill bridge over Ohio River Back Channel, at Coraopolis, to Foundation Co., Fulton Bldg., engrs. est. $150,000; also Glassport-Clairton Bridge 6 over Monongahela River, to Dravo Contg. Co., Neville Island, $232,798.

Alabama—State Hy. Comn., Montgomery, concrete bridges on Greenville-Luverne Rd., Butler and Crenshaw Counties, to Nixon & Phillips, Lineville, $54,592; on Selma-Orville Rd., Dallas Co., to Lamb & McLemore, Eutaw, $86,521; and on Guin-Hamilton Rd., Marion Co., to Morgan Hill Paving Co., Woodward Bldg., Birmingham, $68,838. Grand total $209,951.

Louisiana — State Hy. Comn., Baton Rouge, bridge over Tensas River, on State Project 61-C, between Catahoula and Concordia Parishes, to Kansas City Bridge Co., 510 Orear-Leslie Bldg., $146,506.

Ohio—Dept. Hys. & Pub. Wks., Columbus, deck plate girder bridge over St. Marys River, Sect. "St. Marys Bridge," Wapakonsta-St. Marys Rd. Auglaize Co., to Lima Constr. Co., Elm View Court, Lima, $35,-988; concrete beam bridge and approaches Sect. "A" Ripley-Hillsboro Rd., Brown Co., and Sect. "B" same road, to C. M. Biehm, Georgetown, $22,349 and $20,639 respectively, concrete sub-structure and steel superstructure bridge over Conotton Creek, Sect. "M" Carrollton-New Philadelphia Rd., Carroll Co., to Laughlin Coal & Supply Co., 1108 5th Ave., Canton, $28,945; 80 ft. arch bridge and approaches over West Fork Sect. "G-3", Youngstown-East Liverpool Rd., Columbiana Co., and 131 ft. deck cantilever bridge on same road, to Lewis & Copeland, Lima, $20,774 and $26,931 respectively; steel bridge over Big Raccon Creek, Sect. "N" Jackson-Pomeroy Rd., Vinton Co., to Hunter Constr. Co., Youngstown, $25,919. Grand total $181,545. Noted Aug. 26.

O., New Philadelphia—Tuscarawas Co., bridge at Zoar Station, to Brookville Constr. Co., Brookville, $26,061. Engrs. est. $30,-000.

Michigan—H. C. Fleming, resident engr., Grand Rapids, **(a)** substructure **(b)** steel **(1)** T. L. Bridge 540701 **(2)** Bridge 540702 **(3)** Bridge 540703, each 80 ft. span, to E. J. Place, Grand Rapids, **(a1)** $22,758; to McClintic Marshall Co., 1242 Book Bldg., Detroit, **(b1)** $2,659; to Peninsular Constr. Co., Grand Rapids, **(a2)** $18,090 **(a3)** $15,-021; to Mt. Vernon Bridge Co., Mt. Vernon, O., **(b2)** $2,496; and to Grand Rapids Steel Co., 21 Market St. S. W., Detroit, **(b3)** $2,324. Grand total $63,348. Noted July 29.

Michigan — W. W. Lavers, eng., Plymouth, substructure Bridge 580103, one 35 ft. span, Bridge 580104, one 55 ft. span, and Bridge 580105, one 45 ft. span, to W. H. Knapp Co., Monroe, $27,148; steel for above, to Jarvis Eng. Co., 901 River St., Lansing, $4,146.

Iowa—State Hy. Dept., Ames, bridges and culverts on Primary Bridge Project 349, 10 box culverts, to M. H. Godberson Constr. Co., Holstein, $8,785; 17 box culverts and 1 pony truss bridges, to C. J. Kramme Co., Ft. Dodge, $19,530; 1 pony truss bridge, to Lundgren-Reis Co., 65 College St., Des Moines, $12,970; and 15 box culverts, to Snyder & Johnson, Humboldt, $10,364. Grand total $51,649. Noted July 29.

Ia., Clinton—Clinton Co., bridges and culverts, on Federal Aid Project 292, 2 pony truss bridges, to Lundgren-Reis Co., 65 College St., Des Moines, $18,194; 1 slab and 1 deck girder bridges, to A. P. Munsen, Marion, $10,100; 22 box culverts, to C. H. Anderson, Maquoketa, $9,812; and 18 box culverts, to F. E. Shackelton, Grinnell, $8,890. Grand total $46,996. Noted Aug. 1.

Ia., Onawa—Monona Co., 1 pony truss bridge and 8 box culverts on Primary Bridge Project 317, to Jensen Constr. Co., Kimballton, $11,400; also 1 pony truss bridge and 6 box culverts on Federal Aid Project 291, to Federal Bridge Co., B. T. Bldg., Des Moines, $22,000.

Ia., Rock Rapids—Lyon Co., I-beam bridge, to P. N. Gillham, Luverne, Minn., $2,125; 2 I-beam and 2 slab bridges also 36 culverts, to Humphrey & Son, Cherokee, $27,240.

Kan., Concordia—Cloud Co., 50 ft. span steel truss bridge, on Federal Aid Project 185-B and 50 ft. span steel truss bridge, on Federal Aid Project 200-B, to W. B. Honska Constr. Co., Concordia, $12,239 and $12,267 respectively. Noted July 22.

Kan., Elkhart—Morton Co., forty-nine 21 ft. span timber bridge on Federal Aid Project 358-A, to A. R. Mackey, Greeley, Colo., $38,962. Noted Aug. 5.

Kan., Lyndon—Osage Co., to Alderman, Martin & Alderman, Ottawa, bridges on Federal Aid Project 264-E, Bridge 1, 25 ft. span I-beam $4,479; Bridge 2, 25 ft. I-beam, $2,116, and Bridge 3, 50 ft. span steel truss $8,416, to M. W. Watson, Bridge 3, 130 ft. steel span, $20,879. Grand total $35,890. Noted July 22.

Missouri — State Hy. Dept., Jefferson City, to G. W. Condon, Omaha, Neb., one 6 ft. slab span, etc. over stream $1,729, five 40 ft. I-beam spans, etc. over channel Little Torkio $11,072, three 40 ft. I-beam and 120 ft. steel truss spans, etc. over Little Torkio Ditch $20,405, all in Holt Co.; to Maney Bros. & Co., Ava, two 10 ft. rein.-con. slabs, etc. on Sta. 221 plus 60 $2,903, two 16 ft. rein.-con. slab spans, etc. over stream $3,411, two 16 ft. rein.-con. slab spans, etc. over west branch Spring Creek $5,184, two 20 ft. rein.-con. slab spans, etc. over east branch Spring Creek $5,681, all in Phelps Co.; to Graham Co., Sedalia, three 20 ft. rein.-con. slab spans, etc. over Chicago, Rock Island & Pacific R.R. tracks, Gasconade Co., $4,451; to Cattle Campbell & Co., Troy, one 30 ft. and two 35 ft. rein.-con. deck girder spans, etc. over Wabash R.R. tracks $12,265, two 25 ft. and one 40 ft. rein.-con. deck girder spans, etc. over Belleau Creek $8,900, to C. T. Fogle Constr. Co., Jacksonville, Fla., four 45 ft. rein.-con. deck girder spans, etc. over Stouts Creek, Iron Co. $17,236; to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., four 10 ft. rein.-con. slab spans, etc. over stream $5,535, five 20 ft. I-beam spans, etc. over overflow Salt River $4,460, one 80 ft. steel truss span, etc. over Salt River $8,747, twelve 20 ft. I-beam spans, etc. over Salt River $9,836, all in Adair Co., and repairing bridge in Monroe Co. $3,772; to McCandliss Constr. Co., Holton, Kan., two 10 ft. rein.-con. slab spans, etc. over stream, Maries Co. $2,570, three 20 ft. rein.-con slab spans, etc. over Nofziger Branch $4,188, three 16 ft. rein.-con. slab spans, etc. over Hogles Creek $3,387, both in Hickory Co., two 24 ft. rein.-con. slab and 35 ft. rein.-con. deck girder span, etc. over Chicago, Rock Island & Pacific R.R. tracks $7,908; to Kelly & Underwood, Granby, two 16 ft. and two 20 ft. rein.-con. slab also one 35 ft. rein.-con. deck girder spans, etc. over Missouri Pacific R.R. tracks, Lawrence Co. $7,472; to Lahar Bros., Lee Summit, two 12 ft. rein.-con. slab spans, etc. over stream $3,045, two 20 ft. rein.-con. slab spans, etc. on Sta. 642 plus 29 $3,553, one 25 ft. rein.-con. deck girder span, etc. over south branch of Jump Office $2,791, and 30 ft. rein.-con. deck girder span, etc. over north branch of Jump Office $2,956, all in Polk Co.; to F. Kersting Co., Jefferson City, three 10 ft. rein.-con. slab spans, etc. over Little Rock Creek $3,203, three 12 ft. rein.-con. slab spans, etc. over Plum Creek $4,449, three 45 ft. rein.-con. deck girder spans, etc. over Wolf Creek $8,301, all in St. Francois Co.; to Stigall Constr. Co., Springfield, two 10 ft. rein.-con. slab spans, etc. over Rill Branch $2,579, five 4 ft. rein.-con. slab spans, etc. over stream $1,854, and four 40 ft. rein.-con. deck girder spans, etc. over Clear Creek $10,610, all Greene Co.; and to Summerfield Jones Co., Billings, two 12 ft. rein.-con. slab spans, etc. over Walnut Creek $3,255, two 12 ft. rein.-con. slab spans, etc. over Mill Creek $3,381, and 50 ft. deck girder span, etc. over Barren Fork $12,543, all in Oregon Co. Grand total $213,632. Noted July 29.

Ark., Batesville—State Hy. Dept., Little Rock, one 110 ft. and three 173 ft. spans, also one 317 ft. swing span steel and concrete bridge over White River on Federal Aid Project 240-A, Independence Co., 2,000 ft. embankment, 740 ft. concrete pile trestle, etc., to St. Louis Structural Steel Co., 1218 Syndicate Trust Bldg., St. Louis, Mo., $330,-084. Noted Aug. 12.

Ark., North Little Rock — North Little Rock Viaduct Dist. 1, 1,857 ft. rein.-con. viaduct, 60 ft., with 40 ft. roadway and two 10 ft. sidewalks over Missouri-Pacific R.R. tracks, to Kelither Constr. Co., Southern Trust Bldg., Little Rock, $305,997. Noted Aug. 6.

Tex., Center—See "Streets and Roads."

Tex., Georgetown—Williamson Co., limestone base course paving 6.01 mi. Highway 2-B, 18 ft., to C. C. Moore, Temple, $34,-736. Noted Aug. 12.

Tex., Marlin—See "Streets and Roads."

Tex., San Antonio — City Comn., structural steel, 24 x 200 ft. bridge across San Antonio River, on Theo Ave., to Houston Structural Steel Co., Yale and Center Sts., Houston, $12,455. City will do all concrete work. Engrs. est. $28,000.

B. C., Quesnel—Provincial Govt., Victoria, approaches and 4 span 100 to 150 ft. Timber Howe Truss Bridge over Quensel River, here, to Watson, Stewart & Kennedy, 615 Pender St. W., Vancouver, $45,393. Engrs. est. $70,000.

Dams

Bids Received

Mass., Chicopee—Bd. Water Comrs. concrete dam and reservoir, Cooley Brrok, from Sanders Eng. Co., 102 Exchange St., Portland, Me., $179,478. Noted Aug. 5.

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Dams (Continued)

Contracts Awarded

N. B., St. John—New Brunswick Electric Power Comm., concrete dam at Loch Alva, to Saab & Co., St. John, $23,034. Noted Aug. 5.

Railways

Contracts Awarded

Massachusetts—Transit Dept., 1 Beacon St., Boston, Sect. 2 Rapid Transit System Extension, Dorchester, to A. G. Tomassello & Son, 68 Devonshire St., Boston, $255,910.

North Dakota—Great Northern Ry. Co., 175 East 4th St., St. Paul, Minn., constructing 3 mi. industrial track, from surrey cut-off to Armour & Co., packing plant at West Fargo, here. J. R. W. Davis, ch. engr.

Missouri—See "Streets and Roads under St. Louis."

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Miss., Bay St. Louis—Hancock Co. voted $1,250,000 bonds 11 mi. rein-con. seawall. J. W. Billingsley, Interstate Bldg., New Orleans, La., engr.

Mich., Sandusky — Making plans flood protection on 16 mi. Cass River, also improving Black River. L. C. Read, engr.

Iowa — Woodbury Co. (Sioux City), Monona Co. (Onawa) and Harrison Co. (Logan), plan draining 176,000 acres land south of Bronson and Hornick. $575,000. K. C. Gaynor, 527 Trimble Blk., Sioux City, engr.

Tex., Kerens — P. H. Brister, plans irrigating 450 acres by pumping from Trinity River, etc., Henderson Co. $30,000. Private plans.

Tex., Orange—H. J. L. Stark plans appropriating waters of Sabine River to irrigate 32,200 acres cut-over land in Newton Co. $75,000 or more. Private plans.

Tex., San Antonio—City, J. W. Tobin, mayor, election soon $600,000 bonds, flood prevention channel. I. Ewig, city engr.

Tex., Scotland—Archer Co., O. Stehlik, c/o Kemp Hotel, Wichita Falls, making plans irrigating 320 square mi. by ditch from feeder canal to Little Wichita River, approximately 48 mi. main and branch canals. $1,750,000. P. A. Welty, c/o Staley Bldg., Wichita Falls, engr.

Bids Desired

N. Y., Long Island City—Sept. 7, by M. Connolly, pres. Queens Boro., Queens Subway Bldg., dredging operations for providing channel from Panama St. sewer outlet to Bergens' Basin, 4th Ward.

Louisiana—Sept. 9, by State Hy. Comm., Baton Rouge, excavating Muck Ditch and building retaining levees on Hammond-New Orleans Highway along south shore of Lake Pontchartrain, State Project 156-B, Unit 1, St. Charles Parish. W. B. Robert, Reymond Bldg., Baton Rouge, engr.

Ill., Danville—Sept. 11, by Comrs. Bear Creek D. D., Vermilion Co., c/o Acton, Acton & Snyder, attys., Temple Bldg., cleaning out open ditch 21,800 ft. long, 6 to 10 ft. bottom width and ½ to 1 ft. slope, incl. 32,182 cu.yd. excav., 5,335 ft. 14- to 18-in. tile drain, etc. J. F. Fisher, 209 Dale Bldg., engr.

Ill., Lawrenceville—Sept. 7, by Comrs. Russell and Allison D. D., Lawrence Co., 565 cu.yd. rein.-con. retaining wall, 3 standard automatic 72 in. flood gates, 130 piles, 400 ft. levee incl. 9,000 cu.yd. excav., etc. J. H. Hershey, Vincennes, Ind., engr.

Ia., Fairfield—Sept. 7, at office Auditor Jefferson Co., constructing Cedar Creek D. D. 2, 9,350 ft. ditch, 70,500 cu.yd. excav.; and Cedar Creek D. D. 3, 8,650 ft. ditch, 76,000 cu.yd. excav. W. L. Holbrook, Cincinnati, engr.

Ark., Blytheville—Sept. 15, by Board Dirs. D. D. 17, Mississippi Co., Farmers Bank & Trust Co. Bldg., drainage pumping plant. O. M. Fairley, Osceola, ch. engr.; adv. E. N.-R. Sept. 2.

Ark., Osceola—Sept. 14, by Bd. Comrs. Sub-Dist. 3 of Grassy Lake and Tyronza D. D. 9, Mississippi Co., drainage and flood protection work, incl. cleaning out and redigging 23 mi. lateral ditches, Morgan Eng. Co., Goodwin Institute, Memphis, Tenn., engrs.

Tex., Cotulla—LaSalle Co. taking bids and opens same about Oct. 1, irrigating approximately 90,000 acre land, dam, levees, etc. $7,000,000. Nagle, Witt & Rollins, Court House, Dallas and Houston, engrs. Noted Dec. 10.

Tex., Houston—C. L. Gillespie, superv. engr., 1219 Post Dispatch Bldg., taking bids dredging approximately 75,000 yd. channel for 300 ft. pier; also soon takes bids piling and concrete foundation for same, incl. sheds and warehouses, for Carnegie Steel Co., Carnegie Bldg., Pittsburgh, Pa., c/o W. C. Clyde, pres.

Bids Received

Mass., Hull—Dept. Pub. Wks., Boston, seawall at Point Allerton,, here, from Bradford Weston, Allerton, $67,586. Noted Aug. 12, under "Unclassified."

Contracts Awarded

Mass., Boston—City, Schoolhouse Dept., additional rock and earth excavation on grounds Dorchester High School for Boys, to J. C. Coleman & Sons Co., 1620 Tremont St., Roxbury, $15,416.

La., Baton Rouge—Bd. State Engineers, 213 New Orleans Court Bldg., New Orleans, 57,000 cu.yd. levee at Jeansonne Point on Red River, Avoyelles Parish, and 10,000 cu.yd. levee enlargement at Brouillet, to J. Forbes, Marshall, $0.2574 and $0.28 per cu.yd. respectively.

La., St. Joseph—Bd. Comrs. Lake Bruin D. D., C. C. Brooks, secy. 100,000 cu.yd. drainage ditches in South Canal and Levee ditch, Tensas Parish, to Midland Constr. Co., Clarksdale, Miss., at $0.149 per cu.yd.

Ill., Watseka—For 27,877 cu.yd. excav., 1,400 ft. tile ditch, etc., in Big River Drainage and Levee Dist., to S. F. Sternberg Co., Piper City.

Streets and Roads

Proposed Work

Mass., Amesbury — Plans extending cement road through Ferry and Point Shore Dist. $25,000. Private plans.

Mass., Boston — Plans sheet asphalt repaving Kendall, Sawyer, Benton and Burke Sts. $25,000. J. H. Sullivan, comr. Dept. Pub. Wks.

Mass., Boston—Dept. Pub. Wks., plans constructing Greenmount St., Dorchester and Bynner St., Roxbury, as highway. $25,000. J. H. Sullivan, comr.

N. J., Trenton—Bd. Freeholders Mercer Co. plans asphalt paving ½ mi. Princeton Ave. from Reading Railway to Spruce St., 20 ft. $25,000. H. F. Harris, Trenton, engr. City and Ewing Twp. appropriate toward cost.

N. J., Woodbury — Bd. Freeholders Gloucester Co. plans improving 2.5 mi. road through here, 30 ft. $237,000. W. C. Cattell, Woodbury, engr.

Ga., Covington — Making preliminary plans concrete or rock asphalt paving 11 blocks various streets. To exceed $25,000.

Ga., Millen—Jenkins Co., election Sept. 8, $200,000 bonds, improving roads.

Miss., New Augusta — Perry Co. soon takes bids grading and graveling 16 mi. various streets. J. L. Wheless, Hattiesburg, engr. Noted July 1.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids probably in October, improving 7.5 mi. Newburn-Obion Co. line Rd., Dyer Co.; and grading 12 mi. Morley-Jellico Rd., Campbell Co. C. N. Bass, highway engr.

Ohio—Dept. Hys. & Pub. Wks., Columbus, cancelled bids to have been opened Aug. 13, grading, paving, etc., 0.578 mi. Sect. "Plymouth" Ganges-Plymouth Rd., Richland Co. $26,340.

Ohio—Dept. Hys. & Pub. Wks., Columbus, received no bids Aug. 13, grading, paving, etc., 16.781 mi. roads in Butler, Greene, Knox, Lake, Vinton and Warren Counties. $55,088.

O., New Philadelphia—Tuscarawas Co. plans grading and traffic bound macadam surfacing 15 mi. Intercounty Highway 548. $95,000-$130,000. H. E. Stengel, New Philadelphia, engr.

O., Portsmouth—Making plans grading, curbing and paving Vermont, Wheeler and Persimon Alleys, Michigan Ave., 25th and Valley Sts., North Hill and Richardson Rds. C. Stevens, city engr.

Michigan—W. W. Lavers, resident engr., Plymouth, takes bids about Sept. 16, concrete paving 6 mi. F. A. 212, 20 ft., Macomb Co., for State Hy. Dept., Lansing.

Michigan—State Hy. Dept., at Parma takes bids about Sept. 13, concrete paving 0.75 mi. T. L. 17-29, 20 ft., Jackson Co. C. Vinton, Jackson, resident engr.

Michigan—R. W. Roberts, resident engr., Saginaw, takes bids about Sept. 9, concrete paving 2.109 mi. T. L. 14-59, 20 ft., Clare Co., for State Hy. Dept., Lansing.

Mich., Mt. Clemens—Making plans curbing, guttering sheet asphalt on concrete paving 13,300 sq.yd., and rein.-con. or vibrolithic paving 7,220 sq.yd. East Bway., South Ave., Miller and Rathborne Sts.

Mich., Muskegon—Making plans grading and concrete paving 14,000 sq.yd. Marquette Ave. $50,000. H. J. Lewis, City Hall, engr.

Mich., Muskegon—City and Muskegon Co. making plans grading and concrete paving 21,000 sq.yd. Laketon Ave. $70,000. H. J. Lewis, City Hall, and L. H. Nielson, Court House, engrs.

Ill., Belleville—Soon takes bids grading, curbing and concrete paving 48th, Walter and Bier Sts., Bellevue Paving Dist. $52,390.

Ill., Belleville—Bd. Local Impvts. takes bids about Oct. 15, grading, curbing, concrete paving, etc. 14,290 sq.yd. 5 streets. $47,150. C. A. Heinzelman, City Hall, engr. Noted Aug. 19.

Ill., Cairo—Making preliminary plans grading, curbing and concrete paving, etc. Paving Dist 4. $100,000. G. F. Dewey, City Hall, engr.

Ill., Edwardsville—Soon takes bids grading, curbing and concrete paving Main-Bway. and Altwood Paving Dists. $122,000.

Ia., Dubuque — Voted $75,000 bonds, grading and $275,000 bonds improving various streets. J. Stuber, city clk.

Ia., Washington — Plans probably concrete paving 30 blocks various streets.

Minn., Stewartville — Making plans paving, etc. 10 blocks Main St. $40,000. G. W. Ellis, city clk.

Kan., Cimarron—Gray Co. plans grading, etc. 6.967 mi. Federal Aid Project 56-C, 28 ft. W. Barton, Cimarron, co. engr.

Kan., Dodge City—Voted $600,000 bonds, gravel surfacing, 120 mi. roads. E. D. Webster, co. clk. Noted July 22.

Kan., Olathe—Johnson Co. plans brick or concrete paving 1.613 mi. Federal Aid Project 246-G, 18 ft. E. J. Terrill, Olathe, co. engr.

Kan., Peabody — Plans paving 27,000 sq.yd. various streets.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, making preliminary plans recut granite block repaving 123 ft. St. Charles St. $2,650, St. Charles St. between 11th and 12th Sts. $9,000, and Lucas Ave. between 3rd and 11th Sts. $45,400; rein.-con. paving, etc., Thrush Ave., between Broad St. and St. Louis Conduit $9,300, and 110 ft. Brannon Ave. $2,240; amiesite or asphaltic concrete paving, etc. Goethe Ave. between Macklind Ave. and Manter Park Subdivision $10,300-$11,200 and 575 ft. Baden Ave. $3,360; vitr. brick, amiesite, warrenite bitulithic or asphalt paving, etc. Mallinckrodt St. between Bway. and 11th St. $12,900-$17,000; and concrete paving, etc. approximately 21,600 sq.yd. 16 alleys, $59,640. W. W. Horner, 300 City Hall, engr.

Mo., Joplin—Making plans 6 and 7 in. concrete paving 15,000 yd. various streets. S. P. Ashcroft, Joplin, engr.

Mo., Springfield—Making plans concrete and rock asphalt paving 15,000 yd. paving various streets. S. R. Fisher, Springfield, engr.

Ark., Hot Springs—Takes bids about Oct. 1, grading, curbing, asphalt or concrete paving, etc., streets in Paving Dist. 94. $31,953. Smith & Annan, City Hall, engrs. Noted May 27.

Ark., Little Rock—Soon takes bids grading, curbing and concrete or asphalt paving streets in Paving Dists. 452 and 453. $27,750. H. R. Carter, 313 Exch. Bank Bldg., engrs.

Ark., Little Rock — Making preliminary plans grading, curbing, paving, etc. 3 mi. Dist. 454, 30 to 36 ft.; and 4 blocks Dist. 456, 36 ft. H. A. Knowlton, city clk. Engineer not selected.

Ark., Pine Bluff—Takes bids about Oct. 20 grading, curbing and paving 18th Ave., Beech and 17th Sts., Paving Dist. 95. F. R. Allen, City Hall, engr.

Tex., Clarksville—Voted $50,000 bonds, paving various streets. J. Von Zuben, 611 Dan Waggoner Bldg., Ft. Worth, consult. engrs. Noted July 15.

Tex., Huntsville—Walker Co. plans grading and bridging 14.087 mi. highway extending west from San Jacinto line through Dodge and Phelps towards here, $165,000; also 0.739 mi. road extending south from here on Highway 45, $27,000. D. K. Caldwell, Huntsville, engr.

Tex., Jacksboro—Jack Co., making plans and soon takes bids 2 in. asphalt on macadam paving 12.8 mi. Highway 25, 18 ft. $160,000. G. R. Johnston, Jacksboro, co. engr.

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Streets and Roads (Continued)

Tex., Kerrville—Kerr Co. plans grading, bridging and crushed rock surfacing 13½ mi. Highway 41 from Mountain Home to Real Co. line. $218,232. W. E. Simpson Co., 414 Natl. Bank Commerce Bldg., engrs.

Tex., Kingsville — Kleburg Co. making plans caliche and rock asphalt paving 12 mi. Highway 12, 18 ft. $198,000. W. J. Kelly, Corpus Christi, div. engr.

Tex., Luling—Election Sept. 11, $50,000 bonds, paving 8 or more blocks various streets. Address mayor.

Tex., Lubbock—Making plans permanent paving Ave. G from 8th to 10th Sts. and 8th St. to Ave. G. $35,000. A. B. Davis, city mgr.

Tex., Paducah—Soon takes bids alternate types paving 15,000 sq.yd. 12 blocks various streets. $28,000. E. W. Gantt Co., 1116-18 West Main St., Oklahoma City, Okla., engrs.

Tex., Rockwall — Election soon $50,000 bonds, hard paving West College St. from Rockwall to Anne Sts. Address mayor.

Tex., San Antonio—City, J. W. Tobin, mayor, election soon $300,000 bonds, widening various streets, also $700,000 bonds, paving various streets. I. Ewig, city engr.

Tex., Wellington—Plans paving various streets. $85,000 bond election soon. A. M. Hutcherson, city secy.

Oklahoma—State Hy. Dept., Oklahoma City, making preliminary surveys concrete surfacing 54,225 sq.yd. Highway 7, Cleveland Co. $120,000. J. M. Page, highway engr.

Oklahoma — State Hy. Dept., Oklahoma City, making preliminary surveys grading and concrete surfacing 71,240 sq.yd. Cherokee-Grant Co. line Rd., Highway 1, Alfalfa Co. $180,000. J. M. Page, highway engr.

Oklahoma—State Hy. Dept., Oklahoma City, made surveys grading and paving 10 mi. Bristow Rd. Highway 7, Creek Co. $250,000. J. M. Page, highway engr.

Oklahoma—State Hy. Dept., Oklahoma City, making preliminary plans grading, etc., 8 mi. Highway 26, Bryan Co., 30 ft. $45,000. J. M. Page, highway engr.

Oklahoma—State Hy. Dept., Oklahoma City, making preliminary plans sheet asphalt re-paving 88,000 sq. yd. Highway 5, Choctaw Co. $175,000. J. M. Page, highway engr.

Okla., Altus—Making preliminary plans grading, curbing and concrete paving 11,310 sq.yd. Oak St. $35,000. C. C. Chism, Altus, engr.

Okla., Bristow—Plans grading, curbing, guttering and vertical fibre brick paving 7,240 sq. yd. East 6th St. $30,100. C. Wilson, Bristow, engr.

Okla., Enid—Plans grading, curbing and concrete paving 9,110 sq. yd. Oak and 8th Sts. $28,210. F. C. McGruder, Enid, engr.

Okla., Fairview—Plans grading, curbing and concrete paving 10,600 sq.yd. Dist. 5. $34,200. H. G. Olmsted, Oklahoma Bldg., Oklahoma City, engrs.

California—J. C. Shaw, city engr. of Los Angeles, making plans widening, Riverside Dr. in Los Angeles through Burbank, Toluca, Lake Park and Lankersheim into San Fernando Valley.

Calif., Bakersfield—Made plans grading and 1½ in. warrenite bitulithic on 3½ in. asphaltic concrete paving 150,280 sq.ft. K St. To exceed $40,000. W. D. Clarke, city engr.

Calif., Berkeley — Made plans grading, curbing, guttering, walks and oil macadam paving 91,360 sq.ft. Spruce St.; also grading, 2 in. warrenite bitulithic on 6 in. concrete paving, etc., 58,000 sq.ft. Solano Ave. A. J. Eddy, city engr.

Calif., Fresno — Made plans grading, curbing, guttering, walks and 2 in. asphalt on 4 in. asphaltic concrete paving 39,716 sq.ft. Railroad and Belmont Aves., etc. A. M. Jensen, city engr.

Calif., Los Angeles — Made plans grading, 6 in. concrete paving, etc. 17,986 sq.ft. Alcazar St.; and 10,204 sq.ft. 7th St.

Calif., Los Angeles—Making plans paving Los Felitz Rd. through Griffith Park. $51,500 appropriated.

Calif., Long Beach—Plans grading, curbing, guttering, sidewalks and concrete paving 6th St., Ocean Blvd., Perris and Henderson Aves. To exceed $25,000. R. D. Van Alsine, City Hall, engr.

Calif., Monrovia—Plans curbing, guttering and paving various streets. To exceed $25,000. H. S. Gierlich, city engr.

Calif., Pasadena—Making plans grading, curbing, guttering, 2 in. asphaltic concrete on 7 in. concrete paving 136,327 sq.ft. Walnut St. To exceed $500,000. W. C. Earle, city engr.

Calif San Carlos—Made plans curbing, guttering, asphalt oil and rock screenings on 4 in. waterbound rock macadam paving 693,000 sq.ft. Eaton, Belmont and Woodland Aves., etc. G. A. Kneese, Courthouse, Redwood City, engr.

Calif., San Carlos—Made plans, grading concrete sidewalks, concrete curbing and 2 in. asphaltic concrete paving 381,000 sq.ft. portions Walnut, Elm Sts., etc. G. A. Kneese, Courthouse, Redwood City, engr.

Calif., San Diego—Plans grading, curbing, sidewalks, 2 in. asphaltic concrete on 5 in. concrete paving, etc. 50,529 sq.ft. Euclid and El Cajon Aves. F. A. Rhodes, city engr.

Calif., Upland—Making plans curbing, walks macadam paving, etc. approximately 1 mi. various streets. $25,000 or more. R. G. Manley, city engr.

Calif., Ventura — Supervs. Ventura Co. making plans widening and repaving approximately 50 mi. various streets and roads. C. W. Petit, Ventura, co. surv.

Ont., Kenora—Plans concrete, sheet asphalt, or macadam paving 2—2½ mi. various streets. $200,000.

Que., LaSalle—Plans roads and sewers in various streets. $110,000.

Ont., Toronto — East York Twp. plans concrete curbing, guttering, probably asphalt or bituminous concrete paving Meagher, Logan and Browning Aves.; also concrete sidewalks on Dewhurst Blvd., and 7th Aves. $60,000. G. R. Jack, 443 Sammon Ave., engr.

Ont., Toronto—Soon takes bids sheet asphalt paving 7,000 sq.yd. Manor Rd. E. $36,981. R. C. Harris, City Hall, engr.

Bids Desired

New Hampshire—Sept. 7, by State Hy. Dept., Concord, rein.-con. paving 0.284 mi. highway in Landaff. State Hy. Dept., Concord, engr.

Mass., Walpole—Sept. 7, by Dept. Pub. Wks., Boston, bituminous concrete paving 5,000 ft. highway, here. W. F. Williams, comr.

New York—Sept. 17, by A. W. Brandt, comr. Highways, Albany constructing highways in Cattaraugus, Chautauqua, Orleans, Putnam, Suffolk, Westchester and Wyoming Counties; also reconstructing roads in Erie, Putnam, Rockland, Saratoga, Steuben, Suffolk and Ulster Counties; adv. E. N.-R. Sept. 2.

N. Y., Brooklyn—Sept. 8, by J. A. Guider, pres. Brooklyn Boro., Boro. Hall, granite on 6 in. concrete paving Bogart St.; grading, etc., Avenue U, 71st and 76th Sts.; grading, curbing and sheet asphalt on concrete paving Livonia, Central, Thatford, and Willoughby Aves.

N. Y., Buffalo—Sept. 4, by Commissioner Pub. Wks., Municipal Bldg., vitr. brick or asphalt paving roadways at Col. Ward Pumping Station and Filtration plant. $25,000. C. E. P. Babcock, Municipal Bldg., engr.

N. Y., Long Island City—Sept. 7, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading and asphalt block on concrete paving Prospect (27th) St.; grading, curbing sidewalks and bituminous macadam paving Park Lane; grading, etc. Cuthbert Pl., 102nd Rd., 102nd St., 43rd (Foster), Maurice, Roosevelt Aves.; grading, curbing and sheet asphalt on concrete paving 90th and Central (Cooper) Aves., Roosevelt Ave. from railroad abutment about 530 ft. east of easterly U. S. Pier and bulkhead line, of Flushing River to Lawrence St., Roosevelt Ave. from 112th (De Peyster) Ave. to 114th (Peartree) Ave. and Roosevelt Ave. from 114th (Peartree) ve. to abutment about 360 ft. east of Willets Point Blvd. from 114th St. to west side of Willets Point, also Merrick Blvd. and 108th St.

New Jersey — Sept. 20, by State Hy. Comn., Trenton, widening Route 4, Sect. 7B, Mullica River Sect., Atlantic and Burlington Counties; also rein.-con. paving Route 16, Sect. 5B, Somerset Co. A. L. Grover, secy.; adv. E. N.-R. Sept. 2.

N. J., Florence — Sept. 8, by Florence Twp. Com. grading and concrete paving 3,234 sq.yd. road from Roebling to state highway. C. B. Green, Florence, clk.

N. J., Trenton — Sept. 7, Freeholders Mercer Co., 3,300 gal. hot tar and 65 tons pebbles on Hopewell-Stoutsberg Rd. H. F. Harris, Trenton, co. engr.

Pennsylvania—Sept. 15, by Dept. Hys., Harrisburg, rein.-con. or bituminous surface treated macadam paving 40 mi. roads in Allegheny, Blair, Bradford, Cambria, Clarion, Erie, Franklin, Indiana, Lebanon, Leigh, Luzerne, McKean, Schuylkill, Washington, Westmoreland and Warren Counties. W. H. Connell, eng. executive and deputy secy. highways.

Pa., Phila. — Sept. 7, by Bureau Highways, Dept. Pub. Wks., Schedule A, grading 47,855 cu.yd. 4 streets; Schedules B and C, asphalt paving and repaving 9,652 sq.yd. 6 streets; Schedule D, repressed granite block paving 16,082 sq.yd. 6 streets; Schedule E, repairing bridges; and Schedule F, furnishing and delivering oil tank wagons. J. H. Neeson, ch. engr.

Pa., Pittsburgh —See "Bridges."

W. Va., Wheeling—Sept. 7, by City, H. L. Kirk, city mgr., rein.-con. paving 10,000 sq.yd. Market and 24th Sts., old brick paving, 500 sq.yd. Wood St., and amiesite on rein.-con. repaving 4,000 sq.yd. Chapline St. H. L. Arbenz, city engr.

Pa., Verona — Sept. 8, by Controller Allegheny Co. (Pittsburgh) vitr. brick on rein.-con. paving 2,035 ft. Front St. from James to Seldon Sts. $50,000. Dept. Pub. Wks., 519 Smithfield St., Pittsburgh, engrs.

Virginia—Sept. 16, by State Hy. Dept., Richmond, improving 1.3 mi. Project S-459; and bridges on Project S-357. C. S. Mullin, ch. highway engr.; adv. E. N.-R. Sept. 2.

Alabama—Sept. 15, by State Hy. Comn., Montgomery, improving 11.31 mi. Athens-Huntsville Rd., Federal Aid Project 171-A, Limestone Co., 28.63 acres clearing and grubbing, 125,000 cu. yd. earth and 800 cu. yd. rock excav., 77,700 sta. yd. overhaul, 48,900 lb. reinforcing, etc., also bridges on same road, and 6 in. concrete paving 22,500 sq. yd. various streets in town Tallassee, State Aid Project 163. W. A. McCalla, highway comr.

Alabama—Sept. 29, by State Hy. Comn., Montgomery, improving 30.89 mi. roads in Madison, Marengo and Hale Counties, also bridges in Madison Co., 71.63 acres clearing and grubbing, 245,160 cu. yd. excav., 117,731 sta. yd. overhaul, 195,600 lb. reinforcing, 85,600 sq. yd. Bermuda sod, etc. W. A. McCalla, highway comr.

Louisiana—Sept. 16, by State Hy. Comn., Baton Rouge, graveling 16.509 mi. Lockport-Cut Off Highway, State Project 535-A, Lafourche Parish. W. B. Robert, Reymond Bldg. Baton Rouge, highway engr.

Louisiana—Sept. 21, by State Hy. Comn., Baton Rouge, graveling 4.677 mi. Epps-Lake Providence Highway, State Project 506, West Carroll Parish. W. B. Robert, Reymond Bldg., highway engr.

Tenn., Nashville — See "Contracts Awarded."

Kentucky—Sept. 27, by State Hy. Dept., Frankfort, grading, etc. 17.6 mi. roads in Anderson, Franklin and Lincoln Counties; and surfacing 56.63 mi. roads in Fayette, Garrard, Graves, Henry, Hickman, Lincoln, Nelson and Perry Counties. E. N. Todd, highway engr.

Ohio—Sept. 17, by Dept. Hys. & Pub. Wks., Columbus, grading, and paving 0.745 mi. Sect. "Plymouth" Ganges-Plymouth Rd., 27 ft., Richland Co., bituminous concrete, $26,400; plain concrete, $22,711; concrete paving 6.513 mi. Sects. "K" and "M," Marietta-Athens Rd., 16 ft., Washington Co., $215,864; 0.358 mi. Sect. "Fredericktown," Mt. Gilead-Mt. Vernon Rd., 18 ft., Knox Co., concrete $12,304, and brick $16,000; constructing guard rail in 24 sections and 48 end posts, concrete, Sect. "St.," Ohio River Rd., Lawrence Co., $2,800; retaining wall and making fill, Sect. "T," Cincinnati-Zanesville Rd., Warren Co., $4,180.

O., Dayton—Sept. 3, at office Dept. Pub. Serv., curbing, guttering, sidewalks, storm water sewers, and rein.-con. paving Prtiz and North Plaza Aves., Kilmer St., and alley south of Van Buren St., and sewers in Sanitary Sewer Dist. 3. J. E. Hale, city engr.

O., Millersburg—Sept. 7, by Holmes Co., graveling 9 mi. various roads, 16 ft. $27,000.

O., Toronto—Sept. 7, by Village Council, grading, curbing, brick, concrete, asphalt, asphalt willite and amiesite asphalt paving Seneca, Jefferson, Sixth, Third, Clark and Myers Sts. H. F. Smith, village clk.

Ind., Anderson—Sept. 7, by Comrs. Madison Co., concrete paving Lewis Rd. $26,159. C. Forkner, Anderson, aud.

Ind., Crown Point—Sept. 13, by Comrs. Lake Co., constructing Van Willigan Rd. $77,600. W. E. Whitaker, Crown Point, aud.

Ind., Fort Wayne—Sept. 10, by Comrs. Allen Co., constructing 15,830 ft. Thiele-Schuler Rd., $32,411, and 10,688 ft. Lahrman Rd., $24,311. J. H. Johnson, Fort Wayne, aud.

Ind., Fort Wayne—Sept. 14, by Comrs. Allen Co., constructing 8,388 ft. Lower Huntington Rd. 1. $46,000. J. H. Johnson, Fort Wayne, aud.

Ind., Greencastle—Sept. 6, by Comrs. Putman Co., concrete paving Brown Rd. $47,650, Donner Rd. $38,536, Daggy Rd. $41,839, and Webb Rd. $16,000. W. D. Lovett, Greencastle, aud.

Ind., Huntington — Sept. 4, by Comrs. Huntington Co., asphalt on concrete paving 5.628 ft. Bartlett Rd. $40 000. C. A. Griffith, Huntington, aud.

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Streets and Roads (Continued)

Ind., Indianapolis—Sept. 3, by Comrs. Marion Co., improving highway in Washington Twp. $27,725. H. Dunn, aud.

Ind., Mount Vernon—Sept. 7, by Comrs. Posey Co., constructing Alcorn, Weiss, Pfeiffer, Price, Raues, Wilsey and Reynolds Rds. $85,480. M. F. Robinson, Mount Vernon, aud.

Ind., Plymouth—Sept. 7, by Comrs. Marshall Co., gravelling Fred Ball et al., Rd. $19,359, Mervin Meyers et al., Rd. $14,762, and George V. Dietl et al., Rd. $17,015. O. H. Weber, Plymouth, aud.

Michigan—Sept. 9, by R. A. Beers, resident engr., Kalamazoo, concrete paving 69,549 sq.yd. F. A. 139, Sect. A, Berrien Co., for State Hy. Dept., Lansing. Noted Aug. 26.

Mich., Pleasant Ridge (mail St. Louis)—Sept. 7, by O. C. Keil, village clk., concrete curbing, concrete paving, etc., 6,910 sq.yd., Cordelia Ave., $25,000. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Ill., Galesburg—Sept. 9, by Bd. Local Impvts., grading, curbing, guttering and vertical fibre brick paving 3,278 sq.yd. South West St. A. L. Richey, City Hall, engr. Noted Aug. 5.

Wis., Milwaukee—Sept. 8, by Dept. Pub. Wks., R. Stoelting comr., grading, sidewalks and 7 in. vibrolithic paving Lapham St., Pabst Ave., etc. To exceed $25,000.

Wis., Portage—Sept. 10, by City, grading, curbing, guttering concrete, vibrolithic concrete or amiesite wearing surface on crushed stone paving 17,400 sq.yd. various streets.

Wis., Stevens Point—Sept. 8, by J. F. Maxfield, engr., City Hall, rein.-con. and vibrolithic paving, etc. 13,000 ft. Elk, Ellis, George, Philips, Prentice, Smith, 1st and Franklin Sts.

Ia., Sac City—Sept. 7, at office Auditor Sac Co., graveling 27 mi. Secondary Dists. 23 and 29, 26,900 cu.yd. gravel, 157,100 units overhaul, etc.

Kan., Atchison—Sept. 15, by Clerk Atchison Co., grading, etc. 6.104 mi. Federal Aid Project 350-A, 28 ft.; and 0.513 mi. Federal Aid Project 350-B, 18 to 51 ft. R. D. Coleman, Atchison, co. engr.

Kan., Lawrence—Sept. 28, by Clerk Lawrence Co., concrete, brick or bituminous macadam paving 4.997 mi. Federal Aid Project 229-D, 18 ft. E. E. Trueblood, Lawrence, co. engr. Noted Apr. 29.

Kan., Lyons—Sept. 24, by Clerk Rice Co., concrete or brick surfacing, etc. 1.388 mi. Federal Aid Project 330-A; and 1.646 mi. same road, Sect. B, both 18 ft. S. Ainsworth, Lyons, engr.

Kan., Phillipsburgh—Sept. 23, by Clerk Phillips Co., grading, etc., 4.003 mi. Federal Aid Project 298-A, 28 ft. C. E. Freeman, Phillipsburg, co. engr.

Kan., Westmoreland—Sept. 21, by Clerk Pottawatomie Co., grading, etc. 4.332 mi. Federal Aid Project 351-A, 28 and 50 ft. L. F. Whearty, Westmoreland, engr. Noted Aug. 5.

N. D., Jamestown—Sept. 15, by W. O. De Pay, city aud. grading and paving 7,458 sq.yd. Paving Dist. 6-26, in Lincoln Ave. $25,000.

Mo., St. Louis—Sept. 14, by Bd. Pub. Serv., grading and concrete paving approximately 18,200 sq.yd. alleys in City Blocks 1505, 2633, 2810, 2917, 4082, 4413, 4487S, 5465, 5830, 368, 677, 1082, 1966 and 2442. $59,250. W. W. Horner, City Hall, engr.

Ark., Little Rock—Sept. 7, by T. J. Gay, chn. Comrs. Dist. 423, grading, curbing and paving 18 blocks streets in above district. $60,000. Ford & MacCrea, 215 Gazette Bldg., engrs. Noted Aug. 19.

Ark., Warren—Sept. 7, by Bd. City Comrs., W. E. Moseley, secy., grading, curbing, guttering, sewers and brick on concrete, 2 in. asphaltic concrete on concrete or rein.-con. paving 22,000 sq.yd. Paving Dist. 4 E. F. Peterson, Texarkana, engr. Noted June 24.

Tex., Abilene—Sept. 14, by C. D. Speck, judge Taylor Co., grading, bridging, etc. 9.015 mi. Highway 30, Federal Aid Project 90-A, 26 ft., $38,700. L. C. McCables, Abilene, engr. Noted Aug. 8.

Tex., Anson—Jones Co. taking new bids graveling 15.4 mi. Highway 18, Federal Aid Project 477-C. $170,000. Former bids rejected. J. W. Puckett, Anson, engr.

Tex., El Paso—F. E. Wilson, engr., El Paso, taking bids and opens same about Sept. 1, concrete curbing, 1½ and 2 in. rock asphalt on macadam paving 1.987 mi. Federal Aid Project 439-D, Unit 2, 18 ft., $74,000; also hot mix limestone rock asphalt on macadam paving 7.348 mi. Highway 1, Federal Aid Project 439-B, Unit 2, $232,000, for El Paso Co. Noted July 8.

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Tex., Groveton—Sept. 10, by F. J. Berry, judge Trinity Co., grading, bridging, etc. 9.773 mi. Highway 106, State Aid Project 697-A, $51,345; also 9.349 mi. same road, State Aid Project 697-B, $45,600, both 26 ft. J. O. Booker, Lufkin, engr. Noted Aug. 19.

Tex., Jacksboro — Sept. 14, by G. R. Johnston, engr., asphalt on macadam paving 12.8 mi. Highway 25, State Aid Project 568-A, Unit 2. $160,000. G. R. Johnston, Jacksboro, engr.

Tex., Jefferson—Sept. 9, by W. Clark, judge Marion Co., 2 in. bituminous macadam on waterbound macadam paving 7.57 mi. Highway 8, Federal Aid Project 306-C, Unit 2, $117,050; also 3.56 mi. same road Federal Aid Project 306-A, $56,782, both 16 ft. T. B. Warden, Jefferson, co. engr.

Tex., Waxahachie—Ellis Co. taking bids grading and 4 concrete bridges over 20 ft. span on 8.765 mi. Highway 6, Federal Aid Project 487-E. $64,457. W. A. Spalding, Waxahachie, engr.

California—Sept. 13, by State Hy. Comn., Sacramento, grading, crushed gravel or stone surfacing 1.8 mi. road between El Ciervo and Valona, Contra Costra Co. R. M. Morton, Forum Bldg., Sacramento, engr.

Calif., San Francisco—Sept. 15, by Bd. Pub. Wks., grading, concrete coping, walls, steps, pipe railing, balustrades and sewers in various streets, in Golden Gate Heights Tract. $420,000. M. M. O'Shaughnessy, City Hall, city engr.

Cuba—Sept. 20 (extended date), by Dept. Pub. Wks., Santa Clara Convent, Havana, constructing Central Highway, here. $120,000,000. C. M. DeCespedes, secy. Noted Aug. 5.

Bids Received

Massachusetts—Dept. Pub. Wks., Boston, Aug. 17, bituminous concrete paving 30,000 ft. highway in Edgartown, Oak Bluffs and Tisbury, from M. F. Roach, 35 Spring St., East Bridgewater, $112,947. Noted Aug. 12.

Massachusetts—Dept. Pub. Wks., Boston, Aug. 24, bituminous concrete paving 13,109 ft. highway in Barnstable and Mashpee, from W. L. Jones & H. L. Thomas, Barnstable, $67,898; and bituminous macadam paving 5,111 ft. in Seekonk, from Lane Constr. Corp., 37 Colony St., Meriden, Conn., $40,737. Noted Aug. 12 and 19.

Mass., Boston—Sheet asphalt or bitulithic paving Dudley St., from J. McCourt Co., 910 Huntington Ave., $30,761; also recut granite block paving Purchase St., from S. J. Tomasello, 11 Cushing Terrace, Dorchester, $20,951.

N. Y., Albany—Bd. Contract & Supply, Aug. 23, from M. F. Dollard, Jr., 87 Lexington Ave., improving Pleasant St. $9,416, Mountain St. $28,991 and Whitehall Rd. $125,775, concrete sidewalks on Southern Blvd. $3,257, also sewer in West Lawrence St. $514, from J. F. Smith, 16 High St., in Holmes Court $2,321; from E. B. Stevenson, 443 Bway., improving Cardinal Ave. $38,684, also from F. Sheehan, Inc., 446 Yates St., Van Schoick Ave. $32,804, and Fleetwood Ave. $33,935.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Aug. 24, from O'Brien & Kurth, 8625 137th St., Flushing, grading Van Wyck Ave. $897, Sutphin Blvd. $2,534, and Crescent St. $2,444, from Sicilian Asphalt Paving Co., 41 Park Row, New York City, Corona Ave. $87,005; from Welsh Bros. Contg. Co., 32 Queens St., granite block paving Meadow St., $11,728; from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, sheet asphalt paving Rockaway Blvd. $239,275, and from Highway Impvt. & Repair Co., 50 Church St., New York City, Black Stump Rd. $55,590. Noted Aug. 19.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Aug. 26, grading, curbing, flagging and asphalt on concrete paving 147th St. from 7th to Lenox Aves., from Interboro Asphalt Co., 2306 Creston Ave., $19,967. Noted Aug. 26.

New Jersey—State Hy. Comn., Trenton, Aug. 30, concrete widening 7,500 cu.yd. Route 4, Sect. 3B, Middlesex Co., from C. H. Winans & Co., 207 Broad St., Elizabeth, $52,084; rein.-con. paving 38,910 cu.yd. Route 12, Sect. 8, Essex Co., from P. Camillo & Co., 335 Spring Street, Westfield, $179,960. Noted Aug. 12.

N. J., Elizabeth—Union Co., concrete paving Magic Ave., from Standard Bitulithic Co., 50 Church St., New York City, $126,445; and 4 mi Chester and Chestnut Sts. Roselle Park from Weldon Contg. Co., Broad St., Westfield, $189,605.

N. J., Union—Union Twp. concrete paving 4,786 sq.yd. Stanley Terrace, from Elizabeth Paving Co., Elizabeth, $28,169.

W. Va., Morgantown—Monongalia Co., Aug. 16, improving 2.5 mi. Bula-Miracle Run Rd., Battelle Dist., from Rogers & Shumway, Worthington, amiesite $94,159 and concrete $108,507. Noted July 22.

O., Bexley (Columbus P. O.)—Village, Aug. 26, from A. W. Burns, 315 South High St., Columbus, grading, curbing, paving, etc., 700 ft. Montrose Ave. $14,203, and asphalt paving 700 ft. Cassingham Ave. $9,703, both 24 ft., also 1,000 ft. Demver Ave. 20 and 36 ft., $9,703.

O., Lisbon—Columbiana Co., grading 5.5 mi. East Liverpool-Youngstown Rd., in Madison, Elkrun and Middleton Twps., from Hart & Smith, Youngstown, $107,920. Engrs. est. $110,000.

Michigan—R. W. Roberts, resident engr., Saginaw, Aug. 17, concrete paving 6.924 mi. F. A. 138, Sect. A, 20 ft., Bay and Midland Counties, from Hersey Gravel Co., Hersey, for State Hy. Dept. Lansing. $141,840.

Michigan — C. Vinton, resident engr., Jackson, Aug. 19, concrete paving 11.798 mi. F. A. 197, Sect. A, 20 ft., Branch Co., from Mollering Eng. Co., Fort Wayne, Ind., for State Hy. Dept., Lansing. $256,823.

Ark., Hot Springs—Grading, curbing and concrete paving 11,661 sq.yd. streets in Paving Dist. 92, from E. B. Mooney, 348 Valley St., $25,122.

Tex., Cleburne—Permanent paving various streets, from West Texas Constr. Co., Cotton Exch. Bldg., Ft. Worth, $35,380.

Tex., Houston—Permanent paving Rusk Ave., from Scott Shambaugh, 1400 Dowling St., $38,411.

Calif., Los Angeles — Supervs. Los Angeles Co., grading, curbing, guttering and sidewalks, etc. on 197,653 sq.ft. Sprodl Ave., from J. M. Shull & Co., 1260 Locust St., Riverside, $122,150. Engrs. est. $142,268. Noted Aug. 26.

Calif., Redwood City—City Trustees Aug. 9, from Peninsula Paving Co., 58 2nd St., San Francisco, improving portions Vera Ave., King St., etc., 6,562 cu.yd. excav. at $0.60 per cu.yd., 110,582 sq.ft. 4 in. asphaltic concrete paving $0.18, 110,582 sq.yd. 3 in. broken stone base $0.035, etc., total approximately $35,100.

Contracts Awarded

Vermont—State Hy. Dept., Montpelier, rein.-con. paving 0.94 mi. highway in Windsor, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $39,431; and concrete paving 0.23 mi. in Pownal, to C. B. Lindholm, 24 North St., Pittsfield, Mass., $21,965. Noted Aug. 12.

Massachusetts—State Hy. Dept., Boston, bituminous macadam paving 24,175 ft. highway in Marshfield, to M. F. Roach, 33 Spring St., East Bridgeport $213,466 and 13,000 ft. in West Brookfield, to A. Bianci & Son, Longmeadow, $129,665; rein.-con. and bituminous concrete paving 1,900 ft. in Arlington, to Simpson Bros. Corp., 77 Summer St., Boston, $19,677; bituminous concrete paving 5,000 ft. in Plympton, to D. J. Roach, Bridgewater, $28,176; granite block paving 2,200 ft. in Lynn, to M. McDonough, Swampscott, $22,630; and 600 ft. concrete bridge and approaches in East Brookfield, to Eng. Serv. & Constr. Co., 220 Devonshire St., Boston, $19,175. Grand total $432,789.

Mass., Boston — Sheet asphalt paving Warren St., to J. C. Coleman & Son, 1620 Tremont St., Roxbury, $57,906; also recut granite block paving Purchase St., to S. J. Tomasello, 11 Cushing Terrace, Dorchester, $20,951. Noted Aug. 26.

Mass., Medford (Boston P. O.)—Dept. Pub. Wks., Boston, bituminous macadam resurfacing Boston Ave., to Coleman Bros., Inc., 245 State St., Boston. Engrs. est. $25,000. Noted Aug. 12.

Mass., Everett (Boston P. O.)—Bd. Pub. Wks., granolithic sidewalks on various streets, to J. A. Singarella, 110 High St., Boston, $60,000. Noted July 22.

Rhode Island — State Bd. Pub. Rds., Providence, bituminous macadam paving Contr. 2612, in Coventry, to Perini & Ampolinni, Plainville $56,551, Contr. 2615, in Exeter and sheet asphalt on concrete paving Contr. 2615 in East Providence, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $203,177 and $56,551 respectively; waterbound macadam paving Contr. 2613, in Little Compton, to B. Perini & Son, Ashland, Mass., $27,698. Grand total $343,977. Noted Aug. 19.

Conn., New Haven—Sheet asphalt on concrete paving Forbes Ave., to D. V. Frione & Co., 105 Ward St., $30,995. Engrs. est. $30,000.

N. Y., Brooklyn—J. A. Guider, pres. Brooklyn Boro, Boro Hall, to J. M. Fox, 270 Herkimer St., grading Atkins Ave., $2,426 and Drew Ave. $2,108, to Castle Bros., Snyder Ave. and Johnson Pl., East 34th St. $3,445 and East 93rd St. $2,351, to Grimm Contg. Co., 170 McKinley St., Hegeman Ave. $1,123, and to Palladino Eng. Corp., 1479 Park Ave., New York City, Troy Ave. $4,187; to M. J. O'Hara, Nep-

Streets and Roads (Continued)

tune Ave. and West 19th St., Coney Island, grading and asphalt paving Argyle Rd. $5,069, Clarendon Rd. $9,284, East 34th St. $6,087, Kings Highway $17,022, Avenue L $8,450 and Avenue T $2,806, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., Bedford Ave. $6,659 and Maple St. $7,646; to Boro Asphalt Co., 1301 Metropolitan Ave., Forbell Ave. $4,986; to Cranford Co., 52 9th St., Glenmore Ave. $2,504 and North 6th St. $15,317; to Uvalde Asphalt Paving Co., 1 Bway., New York City, Livonia Ave. $2,391, Lott Ave. $3,454 and Riverdale Ave. $12,345; to Hastings Pavement Co., 25 Broad St., New York City, 26th St. $2,256; to B. Turecamo Contg. Co., 8706 14th Ave., 84th St. $14,610, 64th St., $7,666, 62th St. $5,735, 72nd St. $6,133, 73rd St. $5,916 and 94th St. $5,518. Grand total $167,494. Noted July 22.

N. Y., Brooklyn—J. A. Guider, pres. Brooklyn Boro, Boro Hall, asphalt paving Alabama Ave. and Chester St., to Cranford Co., 52 9th Ave., $18,936 and $22,423 respectively, and Remsen St., to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave. $40,561; grading Remsen Ave., to C. Bennett Impvt. Co., 465 Fenimore St. $21,428, and Avenue Y, to Castle Bros., Inc., Snyder Ave. and Johnson Pl. $79,024; also fencing lots on Bainbridge St., to C. Seltzer, 27 Ellery St., $1,316. Grand total $183,688. Noted Aug. 19.

New Jersey—State Hy. Dept., Trenton, grading and rein.-con. paving 4.2 mi. Route 8, Sect. 7, Stockholm-Beaver Lake Rd., Morris, Passaic and Sussex Counties, to Winston & Co., Midvale, $339,297. Noted Aug. 26.

N. J., Red Bank—Monmouth Co., sheet asphalt paving 8 blocks Monmouth St., to Jannarone Constr. Co., 225 Passaic Ave., Belleville, $47,203.

Pa., Monongahela City—Hillside brick on asphalt and slag paving Mead and Grant Sts., to State Constr. Co., New Kensington, $35,533. Noted Aug. 12.

Maryland—State Rd. Comn., Baltimore, concrete paving 1 mi. Contr. WI-36, Wicomico Co., to Layfield & Walker Paving Co., Quantico $19,866, and 1.61 mi. Contr. M-73, Montgomery Co., to Poffinberger & Mause, Myersville $44,810; macadam resurfacing 1.34 mi. Contr. F-94, Frederick Co., to Bester, Long Co., Hagerstown $12,285; concrete shoulders on 2 mi. Contr. B-33-A, Baltimore Co., to H. T. Campbell & Sons Co., Towson $7,128, 1.47 mi. Contr. B-2-A, Baltimore Co., to Ward & O'Connell, 3114 Presbury St., Baltimore $10,140, and 2 mi. Contr. M-71, Montgomery Co., to Southern Maryland Contg. Co., 12 East Lexington St., Baltimore $14,768. Grand total $108,997. Noted Aug. 5 and 12.

Md., Baltimore—Bd. Awards, grading and concrete paving Alley Contr. 121, to J. J. Bresnan, Woodland Ave., $24,614; grading, curbing and sheet asphalt on concrete paving 9,740 sq.yd. Contr. 360, to P. Flanigan & Sons, Hartford Rd. and Baltimore & Ohio R.R. $36,315, and 10,600 sq.yd. Contr. 359, to H. H. Hershberger, 3723 Reistertown Rd. $24,713, also sheet asphalt paving 9,920 sq.yd. Contr. 353, to Baltimore Asphalt Block & Tile Co., 1320 Monroe St., $35,542. Grand total $121,184. Noted Aug. 19.

W. Va., Clarksburg—Harrison Co., grading, etc. Bingamon Creek, Glen Falls and Jones Run Rds., to W. F. Allen & Co., Clarksburg $47,660.

W. Va., Fairmont — Marion Co. willite and Bermuda asphalt and oil paving 3 mi. Fairmont-Grafton Pike, to Willite Road Constr. Co., Morgantown, $94,080.

W. Va., Huntington — Brick paving Columbia Ave., 14th and 15th Sts., to J. U. Hom, Huntington, $29,264.

W. Va., Morgantown—State Road Comn. and Magnolia Co. grading 3.7 mi. road connecting with Mt. Morris Rd. and Pennsylvania state line, to Consolidated Constr. Co., Morgantown, $41,526. Noted July 15.

Alabama—State Hy. Comn., Montgomery, grading 22.4 mi. Greenville-Luverne Rd., Butler and Crenshaw Counties, to R. L. Kenan, Selma $102,369, and 14.35 mi. Selma-Orville Rd., Dallas Co., to Selma Constr. Co., Selma $122,453; graveling same road, to E. P. Toulimin, Toulminville, Mobile, $60,231; grading and gravel surfacing 13.2 mi. Guin-Hamilton Rd., Marion Co., to W. M. Thompson, Fayette, $80,375, all 18 ft. Grand total $365,428.

Miss., Collins — Covington Co., grading, gravel surfacing, etc. Collins-Prentiss Highway, to W. L. Magee, Collins.

Miss., Columbus — Grading, curbing and sheet asphalt on concrete paving 10,200 sy.yd. College St. and Military Rd., to Morgan-Hill Paving Co., Woodward Bldg., Birmingham, Ala.

Louisiana — State Hy. Comn., Baton Rouge, constructing Farmerville-Bastrop Highway, Project 45-B, Union Parish, to M. Goldberg, Abbeville, $69,814.

La., Baton Rouge — East Baton Rouge Parish, asphaltic concrete on concrete paving 2 mi. Perkins Rd., to R. G. Lassiter & Co., Raleigh, N. C., $63,200; sidewalks approximately 2 mi. road from here to new university grounds, to T. L. Boseman, Baton Rouge, $18,000.

La., Benton—Bossier Parish Police Jury, graveling 19 mi. Haughton-Elm Grove-Koran Highway, to Meyer-Greenwald Constr. Co., Monroe, $86,171; and 6.1 mi. Bollinger-Phelps Lake Highway to Burt & Boyd, Benton, $21,660.

La., Gretna — Police Jury Jefferson Parish, grading and concrete paving 1.25 mi. Williams St. along Orleans-Kenner Traction R.R. to Polock St., to Southern Roads Co., Whitney Bldg., New Orleans, $53,512. Noted June 17.

Tenn., Nashville—Bd. Pub. Wks., asphaltic concrete paving portions Berryville, Jefferson, 12th and 21st Aves. and rock asphalt paving portions 18th and Portland Aves., to Baird-Eller Constr. Co., Nashville, engrs. est. $250,000; rock asphalt paving portions 6th and Johnson Aves., to Foster & Creighton Co., 4th & 1st Natl. Natl. Bank Bldg., engrs. est. $250,000. City will pave with rock asphalt portions North 4th St., Stainback and Wilburn Aves., by day labor, engrs. est. $250,000.

Ky., Paducah—City, 3 in. on 6 in. sheet asphalt paving 50,000 sq.yd. various streets, to D. J. Ryan Constr. Co., 1st Natl. Bank Bldg., Davenport, Ia., $146,500. Noted Aug. 12.

Ohio — Dept. Highways & Pub. Wks., Columbus, traffic bound macadam paving 3.56 mi. Sect. "A" Union-Portsmouth Rd., 14 ft., Adams Co., to Day & Yankie, Peebles $11,483; furnishing, hauling and spreading limestone on 3.25 mi. Sect. "G" Hamilton-Cleves Bd., Butler Co., to Bair & Kelley, West Milton $5,265, 4.5 mi. Sect. "B" Eaton-Middletown Rd. and 1.25 mi. Sect. "B" Hamilton-Lebanon Rd. both Butler Co., to Baumgardner & Davis, Celina, $7,050 and $2,060 respectively, 7.5 mi. Sects. "G" and "H" Wilmington-Sardinia Rd., Clinton Co., to Bish & Carey, Ada $13,550, 7.89 mi. Sect. "C" Hamilton-Richmond Rd., Preble Co., to W. J. Steiner, Laura $13,525 and 6.5 mi. Sects. "C" and "D" Hamilton-Lebanon Rd., Warren Co., to Spencer & Armitage, Lebanon $4,140; grading, etc. 2.548 mi. Sects. "M" and "Sharrodsville" Carrollton-New Philadelphia Rd., Carroll Co., to Laughlin Coal & Supply Co., 1108 5th Ave. Canton $15,082 5.931 mi. Sect. "G-3" Youngstown-East Liverpool Rd., Columbiana Co. and 4.9 mi. Sect. "E" same road, to Williamson-Howard-Smith, Youngstown, $33,377 and $73,020 respectively; concrete paving 0.673 mi. Sect. "Spring Valley" Columbus-Cincinnati Rd., Greene Co., to A. A. Grandle, Leesburg $20,958, 6.881 mi. Sect. "C" Upper Sandusky-Delphos Rd., Hancock Co., to W. L. Johnson, Hicksville $182,585, 2.784 mi. Sect. "C" Savannah-Vermillion-Medina-Norwalk Rd., Huron Co., to Modern Constr. Co., Fremont $75,478 and 5.831 mi. Sect. "G" Toledo-Wauseon Rd., Lucas Co., to Radebaugh-Graham Co., Columbus $203,666; brick paving 0.74 mi. Sect. "A" Painesville-Euclid Rd., Lake Co. and 0.104 mi. Sect. "B" same road, to C. A. White Constr. Co., Willoughby $42,600 and $21,900 respectively, 3.992 mi. Sect. "T" Portsmouth-Columbus Rd., Pickaway Co., to W. W. Ringwald & Sons Co., Chillicothe $119,034 (Dept. Pub. Welfare, Columbus to furnish brick, $39,276); grading, widening and brick surfacing 3.049 mi. Sect. "B" Cleveland Meadville Rd., Cuyahoga Co., to H. G. Herring, Wayside Rd., Cleveland, $258,440 (Dept. Pub. Welfare, Columbus furnishes brick, $60,346); grading, widening and concrete surfacing 4.679 mi. Sect. "D" Cleveland-Meadville Rd., Cuyahoga Co. and 3.05 mi. Sect. "C" same road, to Dorsey Constr. Co., Findlay, $444,617 and $327,249 respectively surface treating 9.527 mi. Sect. "L" and others Dayton-Chillicothe Rd., Green Co., to Ohio Impvt. Co., Chamber of Commerce Bldg., Columbus $2,810 grading, shoulders and guard rails 4.89 mi. Sects. "E" and "F" Columbus-Newark Rd., Licking Co., to Merkel Bros., Mansfield, $11,776; widening and concrete paving 2.504 mi. Sect. "G" Medina-Norwalk Rd., Lorain Co. and 1.146 mi. Sect. "H" same road, to Elyria Constr. Co., Elyria, $12,955 and $13,602 respectively; retaining wall on 0.011 mi. Sect. "J" Sisterville-Woodsfield Rd., Monroe Co., to C. M. Mellott, Bealsville, $1,777. Grand total $1,917,999. Noted Aug. 12.

O., Akron—Summit Co., improving Boston Mills-Hudson Rd., to Newell & Smith, Defiance, $93,600. Engrs. est. $100,000.

O., Bellaire—Brick paving 2nd St., to McClain Constr. Co., Bellaire, $25,000.

O., Carrollton—Carrol Co., grading, etc., approximately 4 mi. Canal-New Philadelphia Rd., 18 ft., to Laughlin Coal Co., 1108 5th St. S. E., Canton, $43,975. Engrs. est. $50,000.

O., Cincinnati — Grading, concrete repaving, etc. 3,950 sq.yd. Ambrose Ave., to J. G. Herman & Co., 642 Nelson Pl., Newport, Ky. $21,241. Engrs. est. $25,000. Noted Aug. 12.

O., Cincinnati—Hamilton Co., grading and tar bound macadam paving 24,563 sq.yd. Shawnee Run Rd., to J. F. Shanklin, 2303 Center St., Covington, Ky., $109,742. Engrs. est. $132,266.

O., Cleveland — Bituminous concrete paving 7,800 sq.ft. Arrowhead Ave., to Gould & Mayback, 16311 Saranec Rd., $36,300, Brackland Ave. and brick paving Nell Ave., to Rieley Bros., The Arcade, $9,050 and $16,544 respectively, 2,530 sq.ft. Parkdale Ave., to Roehl Bros., 7002 Denison Ave. $14,177, 1,000 sq.ft. East 124th St., to Highway Constr. Co., Guarantee Title Bldg. $4,387, also West 15th and 16th Sts., to Baldwin Bros., 4500 Euclid Ave., $11,851 and $7,507 respectively. Grand total $99,816.

O., Cleveland — Cuyahoga Co., grading, guttering and vitr. brick paving 47,300 sq.yd. North Woodland Rd., to Rieley Bros., The Arcade, $271,638. Noted Aug. 26.

O., Columbus—Franklin Co., to D. Aller, Worthington, rein.-con. paving 0.478 mi. Leland Ave. $27,554; to D. W. Botkins & Son, Columbus waterbound macadam paving 0.347 mi. Main St. $8,522 and to Kinnear & Barricklow, 102 Hamilton Ave., 0.301 mi. Brown Rd. $54,919; to J. M. Snouffer, 409 East 16th Ave., Kentucky Rock asphalt paving 1,099 ft. Schreyer Pl. $25,206, 297 ft. Shields Pl. $3,303 and 301 ft. Ingham Ave. $3,572. Grand total $123,076. Noted Aug. 19.

O., Dayton—G. F. Baker, dir. Pub. Serv., vitr. brick on concrete paving 7,000 sq.ft. East 3rd St., to Hollihan & Wangler, 1414 E Riverview Ave., $29,628 engrs. est. $35,000; and vibrolithic concrete paving 45,000 sq.yd. Overlook Ave., to H. J. Wroe, Harries Bldg., $144,070 engrs. est. $150,000.

O., Jefferson—Ashtabula Co., improving 2½ mi. Hampton Hartsgrove Rd., to G. S. Mellert-Weidner Co., Medina, $77,360. Engrs. est. $75,000.

O., Maple Heights (mail Cleveland)—Asphaltic concrete paving Philip, Erwin and Orchard Sts., to A. M. Pejsa Paving Co., 3161 Derbyshire Rd., Cleveland, $45,687.

O., New Philadelphia—Asphalt resurfacing North Bway. and High St., to G. F. Fuller, Dover, $25,280 and $30,761 respectively. Engrs. est. $27,000 and $30,000 respectively. Noted July 29.

O., Sebring—For 2 in. asphalt on 6 in. concrete paving West Maryland Ave. from 17th to 19th Sts., and 19th St. from Ohio to Maryland Sts., to C. Biery, South Union Ave. extension, Alliance, $29,970. Engrs. est. $30,000.

Ind., Anderson — Madison Co., concrete paving 1 mi. 38th St., 28 ft., to L. Burlse, Anderson, $31,355.

Ind., Delphi—Carroll Co., constructing Wasson Rd. to Ellis Bros., Delphi, $9,008; Blickenstaff Rd., to W. Mahoney, Lafayette, $3,977, and Sterling Rd., to Clark & Minnix, Flora, $12,873. Grand total $25,858.

Ind., Hartford City—Blackford Co., constructing South Jefferson Rd., to Brumfield & Son, Marion, $49,491; and F. L. Ervin Rd., to Emulsified Asphalt Co., 313 Hume Mansur Bldg., Indianapolis, $56,359.

Ind., Logansport—Rd. Wks., concrete paving Smead St. from 12th to 22nd Sts., to Nees Constr. Co., Logansport, $44,392.

Ind., Madison — City Council, paving Michigan Hill, North Walnut, East and West Main Sts., Hanging Rock and Michigan Rds., to Davis Constr. Co., Tipton, $107,178.

Ind., Terre Haute—Vigo Co., concrete paving Highway, to Layne & Layne, Terra Haute, $77,974.

Ind., Wabash—Wabash Co., constructing Gurtner and Wolf Rds., to J. H. Thomas, Wabash, $15,793 and $11,443 respectively, engrs. est. $17,393 and $13,675 respectively; Storey Rd., to J. M. Hatch, $11,896 engrs. est. $15,394.

Michigan — A. M. Hopperstead, resident engr., Crystal Falls, grading 17.435 mi. roads in Marenisce and Watersmeet Twps., Gogebic Co., to Fitzpatrick Bros. and Lamont & Calvin, Ironwood; $149,391.

Michigan—W. W. Lavers, resident engr., Plymouth, concrete paving 30,131 sq.yd. F. A. 97, Sect. B, Oakland Co., to G. P. Scharl State Constr., Grand Rapids, for State Hy. Dept., Lansing.

Michigan—A. R. Schaefer, resident engr., Newberry, one course graveling 7.51 mi.

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T. L. 77-1, Sect. B, 16 ft., Alger Co., to C. Bridges, Norway, for State Hy. Dept., Lansing. $115,232. Noted Aug. 26.

Michigan — C. Vinton, resident engr., Jackson, grading, etc. 1.21 mi. T. L. 39-13, Ingham Co., to Lansing Excavating Co., Lansing, excavating $24,293 and overhaul $20,000, for State Hy. Dept., Lansing. Noted Aug. 5.

Mich., Detroit — Berea curbing 3½ in. sheet asphalt on 8 in. concrete paving Venice St. and 9 avenues, to Detroit Asphalt Paving Co., 909 Transportation Bldg., $232,764; Goethe and Chelsea Aves., to Dept. Pub. Wks., City Hall, $331,627; and 12th St., to Cleveland Trinidad Paving Co., 402 Hammond Bldg., $9,980. Grand total $331,627.

Ill., Edwardsville—Madison Co., grading and concrete paving 1 mi. Milton Rd., 18 ft., to Haynes & Kilge, Alton and Jerseyville, $35,290. Engrs. est. $37,085. Noted Aug. 12.

Ill., East Alton — Grading, curbing and concrete paving, etc. 21,770 sq.yd. Bway. and Main St., to Hanes & Kilge, Alton, $67,086. Noted Feb. 25.

Ill., Niles Center—To Arcole Constr. Co., Evanston, concrete paving Bronx Ave. and Davis Sts. $59,763, Demster Golf Course $244,316, and Swensons Brothers Addition 2 $97,433. Grand total $401,512.

Wis., La Crosse—Grading various streets, to Holtzhammer & Kaiser, 1607 South 8th St. $6,000 and to J. J. Fiebig, 1106 Winnebago St. $14,676; curbing and guttering various streets, to V. Carlson & Sons, Inc., 534 Security Bldg., Minneapolis, Minn., $75,000; and rein.-con. paving various streets, to F. R. Schwalbe & Sons, 414 Rivioli Bldg., $49,968. Grand total $145,644.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., asphalt surfacing Bway. and Menomonee Sts., to White Constr. Co., 68 Wisconsin St., $9,346; vibrolithic concrete paving 5th and 6th Aves., to W. F. Hunt, 445 Milwaukee St. $39,065, 59th St., to J. C. Bluhm & Son, 1299 Achilles Pl. $9,540, Mitchell Park Dr., to Milwaukee General Constr. Co., 472 Mitchell St. $3,668, 60th St., to P. J. Murphy, 1123 17th St. $2,872, and 30th St., to Gumz & Switalski, 831 13th Ave. $6,514; concrete paving 1 alley each, to A. E. Retzlaff, 868 Island Ave. $3,800, and to Schwerm Bros., 50 Lee St. $1,987; sidewalks on 11th Ave., to Ryback & Sadowski, 1092 2nd Ave. $2,876, also on Sherman Blvd., Auer and Concordia Aves. and 8 streets, to C. H. Slattery, 581 61st Ave. $42,751. Grand total $122,419. Noted Aug. 19.

Ia., Annison—Jones Co., to A. J. Fleckenstein, Independence, improving Federal Aid Project 163, 16,545 cu.yd. gravel 1 mi. haul at $0.38 per cu.yd. and 133,000 units ½ mi. haul $0.075, etc.

Ia., Bedford — To J. S. McLaughlin & Sons, Des Moines, improving Primary Project C-40, 1,400 cu.yd. excav. at $0.70 per sq.yd. and 11,027 sq.yd. paving $2.77, etc.

Ia., Cedar Rapids—Linn Co., to C. Byers, Jackson, Minn., improving Federal Aid Projects 230 and 224, 23,503 cu.yd. gravel 1 mi. haul at $.32 and $0.35 per cu.yd., 167,300 units ½ mi. overhaul, $0.07 and $0.075, etc. Noted Aug. 5.

Ia. Chariton—Grading, curbing and 7 in. rein.-con. paving various streets, to Booth & Olson, 120 Virginia St., Sioux City, $47,600.

Ia Clinton—Clinton Co., to L. Schnede, Wheatland, improving secondary road, 10,384 cu.yd. gravel 1 mi. haul at $0.40 per cu.yd., 82,246 units ½ mi. haul $0.072, etc. Noted July 29.

Ia., Denison — Crawford Co., to F. G. Bennethum, Bayard, improving various roads, 14,200 cu.yd. gravel 1 mi. haul at $0.31 per cu.yd., 222,400 units ½ mi. haul $0.064, etc. Noted July 29.

Ia., Schleswig — O. A. Hollander, city clk., curbing, guttering and warrenite bitulithic paving about 60,000 sq.yd. various streets, to Western Asphalt Paving Corp., 1st and Nebraska Sts., Sioux City, at $2.37 per sq.yd. Noted July 22.

Ia., Tipton—Auditor Cedar Co., grading, etc., 14.02 mi. Federal Aid Project 213, to Jenner Bros., Davenport, $38,213. Noted Aug. 5.

Minn., Blooming Prairie — Curbing and concrete paving 26,000 sq.yd. various streets, to Larson Constr. Co., Albert Lea, $59,897.

Kan., Burlington—Coffey Co., grading, etc., 7.45 mi. Federal Aid Project 352-A, to A. L. Cook, Ottawa, $29,936. Noted Aug. 5.

Kan., Hiawatha—Brown Co., grading, etc., 9.978 mi. Federal Aid Project 348-A, Brown Co., to G. W. Condon Constr. Co., Omaha, Neb., $50,121; Bridges 1, 2 and 3 on same road, to Engleman Bros., Baker, $15,040. Noted July 22.

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Kan., Topeka—Shawnee Co., concrete paving 1.997 mi. California Ave., 18 ft., to Stimson Constr. Co., New England Bldg., $53,265.

S. D., Sioux Falls — W. C. Leyse, city aud., and State Hy. Comn., Pierre, Types A and B concrete paving, etc. approximately 25,587 sq.yd. various streets, to Western Asphalt Paving Corp., 1st and Nebraska Sts., Sioux City, $52,064. Noted July 29.

Missouri — State Hy. Dept., Jefferson City, to Lynch McDonald Constr. Co., Moberly, grading 1.688 mi. road from Hamilton east and west, Caldwell Co. $9,582; to G. W. Condon, Omaha, Neb., 30 ft. grading 3 mi. Fairfax-Craig Rd., Atchison Co. $12,822, and 18 ft. graveling 0.661 mi. road from St. Joseph east, Buchanan Co. $5,246; to Stigall Constr. Co., Springfield, 30 ft. grading approximately 20 mi. Springfield-Ash Grove Rd., Greene Co. $61,454, to P. J. Murphy, Moberly, 4.315 mi. road from Paris west, Monroe Co. $24,967, to Pittsburgh Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., approximately 9 mi. Kirksville-Broshear Rd., Adair Co. $62,987, to Summerfield Jones Co., Billings, approximately 6 mi. road from Thomasville south, Oregon Co. $54,702, to Farrell & Dubcanillet Linn, 5 mi. road from Paris east, Monroe Co. $27,493, to McCandliss Constr. Co., Holton, Kan., 3.6 mi. Washington-Villa Ridge Rd., Franklin Co. $20,301, 3.5 mi. road from Quincy south, Hickory Co. $14,915, 7.6 mi. road from Vienna south, Maries Co. $45,613, to F. Kersting, Jefferson City, 0.78 mi. road from Farmington south, St. Francois Co. $13,493, to Capital Constr. Co., Oklahoma City, Okla., 3.6 mi. road from Parkville north, Platte Co. $25,068, to Gray Constr. Co., Macon, 3.9 mi. road from Marshall west, Saline Co. $10,982, to C. T. Fogle Constr. Co., Jacksonville, Fla., 0.27 mi. road from Ironton south, Iron Co. $6,027, to Leach Bros., Cameron, 4.79 mi. Easton-U. S. Route 36, Buchanan Co. $32,405, and to M. E. Gilloz, Monett, 3.9 mi. road from Dixon south, Pulaski Co. $55,000; to Zeigler Bros., Junction City, Kan., 18 ft. graveling 4.779 mi. road from Linnens south, Linn Co. $20,635, 4.014 mi. road from Lancaster south, Schuyler Co. $19,625, to Graham Concrete Products Co., Sedalia, 0.249 mi. road from Rosebud west, Gasconade Co. $2,948, to J. A. Kerr, Ozark, 7 mi. road from Ava west, Douglas Co. $18,127, to Lahar Bros., Lee Summit, 4.786 mi. road from Fairplay north, Polk Co. $35,430, and 4.6 mi. road from Noel north, McDonald Co. $62,795, to C. Campbell & Co., Troy, 2.814 mi. road from U. S. Route 40 north, St. Charles Co. $29,565, to Kiefner & Gile, Perryville, 4.418 mi. Claryville-McBride Rd., Perry Co. $34,925, to C. C. Hayward, Shelbina, 2.976 mi. road from Shelbina north, Shelby Co. $15,339, to Kelly & Underwood, Granby, 0.303 mi. road from Aurora east, Lawrence Co. $4,025, and to Lynch McDonald Constr. Co., Moberly, 1.688 mi. roads from Hamilton east and west, Caldwell Co. $18,711; to Maney Bros., Ava., 30 ft. grading 26,508 mi. roads in Maries and Phelps Counties $297,380. Grand total $1,042,662. Noted July 29.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, concrete paving etc. 2,180 sq.yd. Tiffany St. and 8,985 sq.yd. Delor St., to F. A. Stiers, 4500 Enright St. $13,367 and $34,883 respectively, 7 alleys, to Blackburn-Crean Constr. Co., 4000 Chouteau Ave. $25,045, and 4 alleys, to A. Lewald, 1219 Amherst Pl. $14,147; warrenite bitulithic paving 16,375 sq.yd. Hartford St., to Granite Bituminous Paving Co., Ry. Exch. Bldg. $67,316, and 6,145 sq.yd. Delor St., to Central Paving Constr. Co., 6161 Maple Ave. $34,418; asphalt paving 1,105 sq.yd. North Market St. and 3,100 sq.yd. 9th St., to C. A. Moreno, Syndicate Trust Bldg., $5,165 and $15,154 respectively; constructing 1,441 ft. 5 ft. rein.-con. outlet to Quincy St. Sewer, to Meyers Constr. Co., Merchants Laclede Bldg., $6,594; and constructing standard gage railroad from 11th and Poplar Sts. to proposed Municipal Power Plant at 11th and Spruce Sts., to D. C. Bowman, 51 Bremen Ave., $17,000. Grand total $839,989.

Mo., St. Louis—J. Darst Realty Co., 105 North 8th St., grading approximately 90,000 cu.yd. in Darstdale subdivision, and 8,900 cu.yd. Oliver Street Rd., to Nolan & Krause, Olive St. and Woodson Rd., St. Louis, at $0.19 per cu.yd.

Ark., Texarkana—For 1½ in. Topeka mix asphalt on 4 in. concrete paving 18,000 sq.yd. Paving Dist. 49, to O. Yonglin, Texarkana, $1.90 per sq.yd. Noted June 24.

Texas—Anderson Co. (Palestine), graded earth approach to bridge across Trinity River between Anderson and Freestone Counties, to J. G. Ballinger, San Benito, $24,442. Engrs. est. $27,500.

Tex., Abilene—Taylor Co., grading, etc. 11.58 mi. Highway 1 from Trent eastward, to C. H. Van Eman, Cisco, $45,594 and 6.63 mi. Highway 1-A, from Abilene northeastward to O. Speer, Alvord, $6,151. Noted Aug. 5.

Tex., Beeville — Bee Co., rock asphalt paving and sewers in St. Marys and adjacent streets, to Brown & Root, Georgetown, $32,000. Engrs. est. $35,000.

Tex., Center — Shelby Co. grading and bridging 5.02 mi. Highway 35, Federal Aid Project 348-A, to J. S. Moore & Sons, Lufkin, $36,125. Noted Aug. 5.

Tex., Clarksville—Red River Co., 4 in. graveling 15.05 mi. Highway 5, to P. B. Brice, c/o Jones Bldg., Paris, $64,457. Noted Aug. 5.

Tex., Denison—Reinf.-con. paving 51,015 sq.yd. various streets, to J. C. Field Co., Denison, $133,404. Noted Aug. 12.

Tex., Eagle Pass—Maverick Co., gravel surfacing 12.09 mi. Highway 85, State Aid Project 569-A, Unit 2, also 11.96 mi. same road State Aid Project 569-B, Unit 2, to R. Canion, 1412 South 1st St., Austin $38,676 and $68,380 respectively. Engrs. est. $43,000 and $79,000 respectively. Noted Aug. 5.

Tex., Houston—Permanent paving Lamar Ave., from Milam to Crawford Sts., to Gulf Bitulithic Co., 801 Bankers Mortgage Bldg., $52,097. Noted Aug. 19.

Tex., Jourdanton—Astoscosa Co., waterbound macadam on crushed stone and caliche paving 5,943 cu.yd. Highway 9, State Aid Project 638, to Kelly Constr. Co., San Antonio, $43,269 (incl. materials furnished by county). Engrs. est. $46,414.

Tex., Madisonville—Madison Co., clearing, grubbing and grading 12.562 mi. Highway 21, Federal Aid Project 490-A, to S. F. Vann, Trinity, $33,481. Noted Jan. 14.

Tex., Marlin—Fall Co., grading, bridging, etc. 5.66 mi. Highway 108, State Aid Project 670-B, 26 ft., to D. H. Buchanan, Temple, $38,643. Engrs. est. $46,000.

Tex., McKinney—Hard paving 9 blocks Howell St. from Bradley to Waddell Sts., to Furr & Keene, McKinney, approximately $29,800.

Tex., Pharr—Asphalt on rock paving 40 blocks various streets, to W. L. Pearson & Co., McAllen, $170,000.

Tex., San Antonio—Uvalde rock asphalt on rock paving 9 blocks Essex St. from South Hackberry to Gevers Sts., to Uvalde Rock Asphalt Co., c/o Frost Natl. Bank Bldg., $42,548.

Tex., San Juan—Hidalgo Co., 1 in. asphalt on 6 in. gravel paving various streets, to W. L. Pearson & Co., 1st Natl. Bank Bldg., Houston, approximately $58,000. Engrs. est. $60,000. Noted July 8.

Okla., Ponca City—Grading, curbing and vertical fibre brick paving 13,775 sq.yd. North 8th St. and 8,810 sq.yd. Palm St., to Baldwin & Rightmire, 109 East Grand St., $62,956 and $43,250 respectively. Engrs. est. $66,200 and $45,000 respectively. Noted May 20.

Washington—State Hy. Dept., Olympia, concrete paving, etc. 4,530 cu.yd. State Rd. 1, Lewis Co., to Forbes & Wilder, 1014 Capital Way, $72,480; grading approximately 10,600 cu.yd. State Rd. 5, Pierce Co., to Rignell & Sweeney, 505 Rust Bldg., Tacoma, $13,902; crushed graveling, etc. 8,900 cu.yd. State Rd. 21, Kitsap Co., to C. E. Martin, R. F. D. 3, Box 160, Seattle $11,939, and 5,400 cu.yd. State Rd. 9, Clallam Co., to J. G. Shotwell, Port Townsend $9,220; 2,000 cu.yd. gravel shoulder on State Road 1, Lewis Co., to P. Egge, 1215 23rd Ave., Longview, $5,125; also draw rest for Skagit River Bridge on State Rd. 1, Skagit Co., to Blackmore Transfer Co., Mount Vernon, $3,600. Grand total $116,266.

Wash., Seattle—King Co., paving 2 mi. Kent-Black Diamond Highway, to J. L. Smith, 304 West 36th St. $69,950 engrs. est. $76,062; paving incl. 4,000 ft. creosoted plank and pile bulkhead on 6,336 ft. Cook Rd., to Strong & McDonald and Tacoma, $25,250; grading, graveling, etc. 2.71 mi. Stillwater-Snohomish Co. Line Rd., to Wilburn & Stone and Tacoma, $33,000. Grand total $128,200.

California—State Hy. Dept., Sacramento, concrete paving highway between West Sacramento and M Street Bridge, Yolo Co., to H. Brown, 1229 L St., Sacramento, $31,274.

Calif., Berkeley—E. M. Hann, city clk., grading, and 6 in. concrete paving 156,000 sq.ft. Shattuck Ave., to Warren Constr. Co., 28th and Poplar Sts., Oakland, $62,589. Noted Feb. 11.

Calif., Livermore — For 6 in. concrete paving L St., to Kaiser Paving Co., Amer. Bank Bldg., Oakland, $24,884.

Calif., Long Beach—Sidewalks and concrete paving 85th St. between Park Ave.

Streets and Roads (Continued)

and San Pedro St., to Griffith Co., Railway Bldg., Los Angeles, $38,640.

Calif., Los Angeles — To H. A. McCray, 1701 Morton St., concrete paving, etc. Riverside Dr. between Forman and Vineland Aves. $27,254, concrete and asphalt paving, etc. Cumpstom St. $27,457, and Cahuenga Blvd. $153,454, also 5 in. concrete paving, etc. Benton Way $29,930. Grand total $238,095.

Calif., Martinez—Grading and 6 in. oil macadam paving Fay-Andrade Tract, Contra Costa Co., to M. J. Bevanda, P. O. Box 561, Occidental, $33,822.

Calif., Napa—Napa Co., concrete paving Rutherford-Dinning Bridge Rd., Napa Co., to C. W. Wood, Manteca, $29,757.

Calif., Oakland — Grading and paving Foothill Blvd. between Fruitvale and 33rd Aves., to Oakland Paving Co., 5000 Bway. Noted Aug. 12.

Calif., Oakland — Alameda Co., grading and oil macadam paving 176,000 sq.ft. portion Bay Farm Island Rd., to Central Constr. Co., Bank of Savings Bldg., $22,370.

Calif., Pasadena—Widening, oil macadam and concrete paving, etc. portion West Colorado St. also grading and oil macadam paving 355,185 sq.ft. Linda Vista Ave., to Ducey & Breitenstein, 687 South Bway., approximately $167,775 and $156,605 respectively. Noted Aug. 5.

Calif., Sacramento — Sacramento Co., willite paving Marconi Ave., to McGillivray Constr. Co., 721 S St., $25,828.

Calif., San Diego — Common Council improving Upas, Palm Redwood Sts., etc., to Griffith Co., 25 14th St., $165,958. Noted July 22.

Calif., San Leandro — Warrenite bitulithic on asphaltic concrete paving Washington Ave., to Hutchinson Co., Hutchinson Bldg., Oakland, $25,549.

Calif., Santa Cruz—For 5 in. concrete paving portion Stanford Ave., to W. E. Miller, Santa Cruz, $25,786.

Calif., San Luis Obispo—C. M. John, city clk., curbing, guttering, and 6 in. concrete paving, etc., 106,245 sq.ft. Mill St., to Southwest Paving Co., Washington Bldg., Los Angeles, $28,152.

Calif., San Rafael—Grading, concrete and asphalt paving Ross, Bay View, Reservoir Rd., etc., to Pacific States Constr. Co., Call Bldg., San Francisco, $34,764.

Ontario — C. H. Fullerton, ch. engr., Parliament Bldgs., Toronto, grading 22 mi. road between North Bay and Latchford, to Constr. & Eng. Ltd., 72 Queen St. W., Toronto. Engrs. est. $150,000. Noted June 3.

Ont., Napanee—Concrete curbing, guttering and asphalt on concrete paving 12,000 sq.yd. John St., to Standard Paving Co., Central Chambers, Ottawa. Engrs. est. $50,000.

Ont., Toronto—Dept. Pub. Highwys, 110 University Ave., asphalt paving 7.72 mi. Contr. 26-122, to Godson Contg. Co., 203 Richmond St. W., $200,000; concrete paving 1 mi. Contr. 26-142, and surface treating 32 mi. Contr. 26-152, to R. Honsberger, Vineland, $30,000 each; bituminous penetration macadam paving 3.8 mi. Contr. 26-143, to Chisolm Constr. Co., Cornwall, $70,000, 2.25 mi. Contr. 26-145, to McGinnis & O'Connor, Kingston, $50,000, 5 mi. Contr. 26-146, to F. T. Holmes, Kemptiville, $100,000; grading at Rockwood Contr. 26-148, to Johnson Bros., 43 Market St., Brantford, $20,000; concrete culverts north of Elgin Station Contr. 26-149, to Wilkinson & Bews, Port Hope, $150,000; culverts and Nash Creek Bridge Contr. 26-150, to W. E. Tidy, 12 Linsmore Crescent, $15,000; surface treating 21.7 mi. Contr. 153, to Municipal Road Spraying & Oiling Co., Confederation Life Bldg., $20,000, and 28.2 mi. Contr. 26-154, to Bituminous Spraying & Contg. Co., Confederation Life Bldg., $30,000. Grand total $580,000.

B. C., Point Grey—One course 7 in. concrete paving 27,500 sq.yd. 10th Ave., 37½ ft., to Dawson, Wade & Co., Ltd., Bekins Bldg., Vancouver, $82,345.

B. C., Point Grey—One course 7 in. concrete paving 8,500 sq.yd. various streets, to Cotton Co. Ltd., False Creek Yards, Vancouver, $25,534.

B. C., Vancouver—Curbing and 5 ft. sidewalks on 8¼ mi. various streets, to G. W. Ledingham, 348 8th Ave. E., $43,330.

B. C., Vancouver—One course 7 in. concrete paving Pender St. and 2nd Ave., also asphaltic concrete paving Cassear St., to Cotton Co., Ltd., False Creek Yards, $46,310.

Buildings—Commercial

Proposed Work

Mass., Boston—GARAGE—E. L. Sturtevant, 322 Tappan St., Brookline, having sketches made by F. A. Norcross, 46 Cornhill, Boston, 4 story, 160 x 210 ft., rein.-con., brick and steel, plain foundation, Gainsboro and St. Botolph Sts. $300,000.

Mass., Boston—STORE and OFFICE—Singer Sewing Machine Co., c/o Little & Russell, archts., 20 Newbury St., having plans prepared 6 story and basement, brick and stone, plain foundation, 53-55 Temple Pl. $150,000.

Mass., Boston—THEATRE—B. F. Keith Theatre, Bway. and 7th Ave., New York City, having plans prepared by T. W. Lamb, 644 8th Ave., New York City, 4 story and basement, 145 x 215 ft. with 25 x 50 ft. lobby, brick, steel and limestone, plain foundation, Washington St. through to Mason St.

Mass., Brookline (br. Boston)—APARTMENT—J. F. and A. I. Rudnick, 333 Washington St., Boston, having sketches made by S. E. Moffie, 51 Cornhill, Boston, 3 story and basement, irregular shaped brick and stone, plain foundation, Park St. $160,000.

Mass., Cambridge (Boston P. O.)—BANK and STORE—North Cambridge Co-Operative Bank c/o C. R. Greco, archt., having revised plans prepared 2 story and basement, brick and stone, plain foundation, 2360 Mass. Ave. $150,000. Former bids rejected. Noted July 29.

Mass., Cambridge (Boston P. O.) — STORE and APARTMENT — F. W. McAleer & Co., 1374 Massachusetts Ave., plans 4 story and basement, brick, Mt. Auburn and Dunster Sts. $150,000. Engineer and architect not selected.

Mass., Cambridge (Boston P. O.)—STORE and OFFICE—M. J. White, 1010 Cambridge St., plans 4 story and basement, brick and steel, 1115 Mass. Ave. $150,000. Engineer and architect not selected.

Mass., Pittsfield — COURT HOUSE — Comrs. Berkshire Co., C. L. Hibbard, judge, having plans prepared by J. MacArthur Vance, 24 North St., 2 story and basement, brick and stone addition, plain foundation. $150,000.

Mass., Winthrop (br. Boston)—CLUB—Cottage Park Yacht Club, R. W. Pigeon, commodore, having sketches made by Woodbury & Stuart, 581 Boylston St., Boston, 2 story brick and timber, wood pile foundation, Cottage Park, Winthrop Centre. $150,000 or more. Noted July 29.

R. I., Cranston—CITY HALL—City, D. D. Waterman, clk., having plans prepared by W. R. Walker & Son, 40 Weybosset St., Providence, reconstructing 2 story and basement old high school building into city hall, Park Ave. $150,000.

R. I., Pawtucket — DORMITORY — Memorial Hospital, c/o Manahan & Meikle, archts., 255 Main St., having revised plans prepared 3 story and basement, 45 x 120 ft., brick and stone, plain foundation, Prospect and Pond Sts. $150,000. Noted Aug. 12.

N. Y., New York—APARTMENT—One Hundred Nine West 49th Street Corp., c/o Ellis, Aaronson & Heldrich, archts., 25 West 43rd St., having plans prepared 15 story, brick, steel and stone, plain foundation, 21-33 West 96th St. $1,400,000.

N. Y., New York — APARTMENT — Janirva Realty Corp., c/o Schwartz & Gross, engrs. and archts., 347 5th Ave., having plans prepared 9 story, brick, steel and stone, plain foundation, incl. 2 elevators, 306 West 104th St. $300,000.

N. Y., New York—BANK—Union Dime Savings Bank, M. Lewis, in charge 40th St. and 6th Ave., having plans prepared by A. H. Taylor, 38 West 65th St., brick, steel and stone addition, plain foundation, West 40th St. $500,000.

N. Y., New York—HOTEL—Owner, c/o H. B. Whinston, archt., East 46th St., soon takes bids 7 story brick, steel and stone, plain foundation, incl. 3 electric elevators, 125 West 45th St. $200,000.

N. Y., New York — THEATRE and OFFICE — Wiltham Realty Corp., c/o E. DeRosa, archt., 15 West 44th St., having plans prepared 3 story, 120 x 205 ft. brick, steel and stone, plain foundation, 183 East 71st St. $500,000.

N. Y., New York—THEATRE—Loews Inc., 1540 Bway., having plans prepared by T. W. Lamb, 644 8th Ave., brick, steel and stone, plain foundation, Canal and Ludlow Sts. $225,000

N. J., Ocean City—HOTEL—Owner, c/o R. R. Neely, archt., 2301 Spruce St., Phila., Pa., having plans prepared 2 and 3 story, 100 x 100 ft., rein.-con., brick and steel, plain foundation, here.

Pa., Norwood—THEATRE and STORE—Owner, c/o Hoffman-Henon Co., archts., Finance Bldg., Phila., having plans prepared theatre and store building, here. $200,000.

Pa., Phila.—APARTMENT—P. E. Glassmann, 3321 Arlington Ave., having plans prepared by G. B. Johnson, 237 North 16th St., 3 story and basement, 146 x 176 ft., rein.-con., brick and steel, plain foundation, Chew St. and Church Lane.

Pa., Phila.—THEATRES—Stanley Co. of America, 1916 Race St., having plans prepared by Hoffman-Henon Co., Finance Bldg., 2 theatres, 21st and Market Sts. Each to exceed $150,000.

Pa., Pittsburgh — THEATRE — Stanley Corp. of America, 1916 Race St., Phila., having plans prepared by Hoffman-Henon Co., Finance Bldg., Phila., 20 story and basement, 75 x 100 ft., brick, steel and stone, plain foundation, 7th and Liberty Sts., here.

Md., Baltimore—BUSINESS—Baltimore Sun, Baltimore and Charles Sts., having plans prepared by Catmer, Willis & Lamdin, 513 North Charles St., 4 story and basement, irregular shaped, rein.-con., brick and steel, plain foundation, incl. heating and ventilating system, Charles and Baltimore Sts. $200,000.

Md., Baltimore—DEPARTMENT STORE—Hockschild, Kohn & Co., Lexington and Howard Sts., takes bids after Jan. 1, 10 story and basement, 167 x 393 ft., brick and steel, sheet pile foundation, Franklin and Tyson Sts. $2,000,000. M. C. Schwab, 30 North Michigan Ave., Chicago, Ill., structural engr. Noted July 1.

D. C., Brightwood (sta. Wash.) — MECHANICAL—Chesapeake & Potomac Telephone Co., 725 13th St., soon takes bids mechanical building, here. $700,000. MacKenzie, Voorhees & Gmelin, Wash., D. C., archts.

N. C., Greensboro — BANK — Amer. Exch. Natl. Bank, having plans prepared by H. Barton, 9 story, 53 x 115 ft. addition, East Market St. $500,000.

N. C., Hamlet—OFFICE—See "Buildings—Industrial"

N. C., Marion—CLUB and HOTEL—Southern Club, c/o A. M. Kistler, purchased 3,500 acre site in McDowell Co. incl. Lake Tahoma, and plans club and hotel. $500,000.

La., Alexandria—MASONIC TEMPLE—S. Stone, Jr., Co., archts., 714 Union St., New Orleans, rejected bids Aug. 3, 4 story, 91 x 103 ft. brick, steel and concrete masonic temple for Masonic Benevolent Assn., c/o S. R. Pickett, 108 4th St. $225,000. Noted July 8.

Ky., Louisville — STORAGE WAREHOUSE—D. X. Murphy & Bro., archts., Louisville Trust Bldg., soon lets contract 6 story and basement, rein.-con. Bway. and Barret Ave., for O. K. Storage & Transfer Co., 801 West Main St., $150,000.

O., Cleveland—BANK—Union Trust Co., W. J. Aring, Union Trust Bldg., soon lets contract 1 story and basement, 50 x 140 ft., brick, steel and concrete, incl. steam heating, etc., East 140th St. and Kinsman Rd. $150,000. L. K. Moatz, 712 Union Trust Bldg., archt.

O., Cleveland — COMMERCIAL and THEATRE—Loew's Ohio Theatres, Inc., c/o J. Laronge, Union Trust Bldg., having plans prepared by P. J. Bradshaw, 1900 Euclid Bldg., 1 and 2 story, 105 x 350 ft., brick, steel and concrete, incl. refrigeration system, West 117th St. and Detroit Ave. $300,000.

O., Cleveland—WAREHOUSE—Cleveland Bonded Warehouse Co., c/o G. S. Rider & Co., archts., Century Bldg., had plans prepared 4 story and basement, brick and rein.-con., incl. steam heating and elevators, Carnegie Ave. and East 13th St. $300,000.

O., Green Springs — SANITARIUM and HOTEL — Green Springs Sanitarium Co., W. T. Huber, pres., having plans prepared by W. S. Ferguson Co., 1900 Euclid Bldg., Cleveland, brick sanitarium and hotel.

O., Mariemont—COMMUNITY—Mariemont Co., Biker Court, Cincinnati, having plans prepared by J. G. Steinkamp, Mercantile Library Bldg., 3 story and basement, 300 x 300 ft., rein.-con. and brick, plain foundation, Main Ave. $600,000.

O., New Philadelphia — HOME — Tuscarawas Co. plans rebuilding Tuscarawas Co. Home. $250,000.

O., Zanesville—BANK and OFFICE—Lockwood, Greene & Co., engrs. and archts.,

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Buildings—Commercial (Continued)

Hanna Bldg., Cleveland, soon lets contract 8 story, 80 x 80 ft., brick, steel and concrete, here, for 1st Natl. Bank, W. M. Bateman, pres. $300,000.

Ind., East Chicago—BANK and OFFICE—U. D. Natl. Bank having plans prepared by J. Schutler, 605 North Michigan Ave., Chicago, Ill., 3 story and basement, 30 x 120 ft., rein.-con., brick and stone bank. $175,000. F. L. Pearson, 6 North Michigan Ave., Chicago, Ill., mechanical engr.

Ind., South Bend—COMMERCIAL—C. E. Nicely having plans prepared 4 story, 93 x 165 ft., brick and steel, incl. elevators and steam heating system, 431 South Michigan Ave. $300,000. Engineer and architect not announced.

Ind., Vincennes—HOTEL and STORE—E. G. Spink, 203 Medical Arts Bldg., Indianapolis, having plans prepared by W. K. Eldridge, 203 Medical Arts Bldg., Indianapolis, 6 story and basement, 87 x 130 ft., rein.-con., brick and steel, incl. steam heating, elevators, etc., 4th and Main Sts., here. $500,000.

Mich., Detroit—OFFICE—Detroit Community Fund, 316 East Jefferson Ave., having plans prepared by Donaldson & Meier, Penobscot Bldg., 4 story and basement, 85 x 167 ft., rein.-con., brick and steel, plain foundation, incl. steam heating system Warren Ave. $800,000.

Mich., Detroit—OFFICE—L. Kamper, archt., Kamper Bldg., Cass Ave., takes bids about Sept. 10, 34 story and basement, 64 x 100 ft., rein.-con., brick, steel, and terra cotta, caisson foundation, incl. elevator, and steam heating system, Woodward Ave., for Eaton Estate, 204 Woodward Ave. $1,000,000. Noted July 29.

Ill., Alton—CITY HALL—Voted $200,000 bonds, n. c. city hall. Noted Aug. 5.

Ill., Chicago—APARTMENT—C. W. Christiansen, archt., 6582 Sheridan Rd., preparing plans and takes bids about Sept. 15, 12 story and basement, 45 x 150 ft., rein.-con., brick and terra cotta Winthrop and Granville Aves. $500,000. Owner's name withheld.

Ill., Chicago—CLUB—Northwest Lions Club, c/o Shattuck & Layer, archts., 134 North La Salle St., had plans prepared and takes bids about Sept. 1, 4 story, 125 x 135 ft., brick and terra cotta, incl. bowling alleys, swimming pool, gymnasium, ball room, etc., West North Ave. and Kildare St. $700,000. Noted Apr. 22.

Ill., Chicago—OFFICE and EXCHANGE—Chicago Mercantile Exch., 136 West Lake St., having plans prepared by A. S. Alschuler, 28 East Jackson Blvd., 16 story, 100 x 180 ft., brick, steel and stone, Washington and Franklin Sts. Noted June 17.

Ill., Chicago—UNION HEADQUARTERS—Amalgamated Clothing Makers of America, c/o Amalgamated Trust & Savings Bank, 11 West Jackson Blvd., purchased site and plans 4 story, 77 x 149 ft. building, Ashland Blvd. and Van Buren St. $500,000. Architect and engineer not selected.

Wis., Kenosha—BUSINESS and THEATRE—Universal Theatres Corp., C. Latemle, pres., 730 5th Ave., New York City, plans 3 story, 85 x 100 x 264 ft. brick and terra cotta, Main and Exchange Sts. $600,000.

Wis., Madison—THEATRE and OFFICE—New Capitol Investment Co., W. Schroeder, 86 Michigan St., had plans prepared by C. W. and G. L. Rapp, 190 North State St., Chicago, Ill., and soon takes bids 3 story and basement, 120 x 132 ft., rein.-con., brick, natural stone or terra cotta, plain foundation, State St. $700,000.

Wis., Oshkosh—THEATRE and BUSINESS—Fischer Paramount Theatres, 36 South State St., Chicago, Ill. having plans prepared by Wolff & Ramsthal, 453 Mitchell St., Milwaukee, 3 story and basement, 112 x 215 ft., rein.-con. and brick, plain foundation, incl. steam heating, mechanical ventilation, 9th St. and Jefferson Ave. $350,000.

Wis., Milwaukee—APARTMENT—J. Hunholz Co., 445 Marshall St., having plans prepared 6 story and basement, 62 x 127 ft., brick, concrete and natural stone, Marshall St. $300,000. Private plans.

Wis., Madison—AUDITORIUM—Madison Catholic Assn., F. Cantwell, chn., 121 South Pinckney Sts., plans probably 4 story, rein.-con., brick and steel, plain foundation. $250,000. Engineer and architect not selected.

Minn., St. Paul—MASONIC TEMPLE—Masonic Temple Assn., F. B. Banister, pres., had plans prepared by Toltz, King & Day, Builders Exch., and Mather & Fleishbein, 442 Endicott Bldg., 2 story and basement, 60 x 130 ft., rein.-con. and brick, 6th St. and Smith Ave. $150,000.

Kan., Kansas City—HOTEL—Chamber of Commerce, soon takes bids 8 story and basement, rein.-con. and brick hotel. $600,000. H. K. Ferguson & Co., 6523 Euclid Ave., Cleveland, O., engrs. Noted June 17.

Neb., Grand Island—THEATRE—World Realty Co., 1506 Douglas St., Omaha, plans 88 x 140 ft. theatre, 1,500 seating capacity. $150,000. Engineer and architect not selected.

Neb., Fremont—HOSPITAL—Dodge Co. Medical Society, H. C. Peterson, pres., plans hospital. $150,000.

Neb., Kearney—THEATRE and MASONIC TEMPLE—A. F. and A. M. Kearney Lodge, H. A. Webbert, chn. building com., had plans prepared by J. T. Allen, 224 Brandeis Theatre Bldg., Omaha, 4 story and basement, 75 x 130 ft., rein.-con., brick, steel and terra cotta, 24th and Central Sts. $150,000. World Realty Co., 1506 Douglas St., Omaha, lessee. Noted July 1.

Neb., Lincoln—MASONIC TEMPLE—Masonic Building Assn., F. W. Tyler, pres., having plans prepared by Meginnis & Schaumburg, 405 Nebreska State Bldg., masonic temple 17th and L Sts. $200,000.

Mo., Kansas City—APARTMENT—W. G. Wrenn, 901 Commerce Bldg., having preliminary plans prepared 8 story and basement, brick and concrete, Armour Blvd. and Harrison St. $150,000. Private plans.

Mo., Nevada—HOSPITAL—Vernon Co. plans election in November, $185,000 bonds, hospital.

Mo., Normandy—CLUB—Glen Echo Country Club having preliminary plans prepared by P. J. Bradshaw, International Life Bldg., St. Louis, 2 story and basement, rein.-con. golf club. $400,000.

Tex., Amarillo—HOTEL—R. L. Underwood plans 5 story, 80 x 140 ft., rein.-con. and brick, plain foundation, 3rd and Lincoln Sts. $225,000. Private plans.

Tex., Amarillo—OFFICE and GARAGE—W. S. Rule having plans prepared by Shepard & Wiser, Amarillo Bldg., and 1208 R. A. Long Bldg., Kansas City, Mo., 8 story, 50 x 140 ft. office and garage building, and 3 story, 70 x 140 ft. garage, brick, stone, rein.-con. nad steel, incl. elevators, heating and plumbing, etc., 3rd and Polk Sts. $750,000.

Tex., Beaumont—BANK and OFFICE—Amer. Natl. Bank, c/o C. H. Stroeck, 510 Pearl St., having preliminary plans prepared 10 story and basement, 50 x 140 ft., rein.-con., brick and stone, plain foundation, incl. 2 passenger and 1 freight elevators, Orleans St. near Crockett St. $600,000. Private plans.

Tex., Beaumont—WAREHOUSE and COMPRESS—City, c/o O. J. Bloyd, mgr., plans 125 x 900 ft. warehouse and compress, tracks and wharves. $150,000. Engineer and architect not selected.

Tex., Big Springs—HOTEL—Chamber of Commerce plans 4 story and basement, 40 x 120 ft., brick, stone and rein.-con. hotel. $150,000. Engineer and architect not selected.

Tex., Ft. Worth—OFFICE—Southern Union Life Insurance Co., c/o T. Poyner, vice pres., plans 16 story and basement, 100 x 100 ft., 7th and Houston Sts. Engineer and architect not selected.

Tex., Houston—EXCHANGE—Southwestern Bell Telephone Co., c/o F. W. Yensen, building supt., 512 Fidelity Union Bldg., Dallas, having preliminary plans prepared by I. R. Timlin, c/o owner, 2 story and basement, 70 x 80 ft., brick, stone and rein.-con., incl. heating, plumbing, etc. $150,000.

Tex., Uvalde—HOTEL—Kincaid Hotel Co., c/o C. Kincaid and D. W. Price, secy. Chamber of Commerce, having preliminary plans prepared by H. S. Green, 201 Alamo Bank Bldg., San Antonio, 3 story, 73 x 100 ft., brick, stone and tile, incl. plumbing, etc. $150,000.

Okla., Oklahoma City—OFFICE—F. P. Johnson, c/o Amer. Natl. Bank, having preliminary plans prepared 5 story, 50 x 140 ft., rein.-con. and brick addition, Main and Hudson Sts. $200,000. Engineer and architect not announced.

Okla., Tulsa—HOSPITAL—Baptist Church having preliminary plans prepared 4 story and basement hospital, Utica St. $300,000. Engineer and architect not selected.

Ore., Burns—HOTEL—I. Weinstein, having plans prepared by L. Thomas, U. S. Natl. Bank Bldg., 75 x 200 ft. hotel. $200,000.

Ore., Portland—AUDITORIUM—City, c/o G. H. Jones, archt., Administration Bldg., 7th and Clackamas Sts., plans Grant High School Auditorium, 38th and Thompson Sts. $200,000.

Calif., Alhambra—HOTEL—Alhambra Community Hotel Co., plans fireproof hotel. $150,000.

Calif., Berkeley—MEMORIAL—Alameda Co. (Oakland) plans fireproof Amer. Legion Memorial Building, here. $150,000.

Calif., Burbank—MOTION PICTURE STUDIO—Mack Sennett Film Corp., 1712 Glendale Blvd., Los Angeles, plans motion picture studio, South of First Natl. Studios, here. To exceed $150,000.

Calif., Burbank—TELEPHONE—Pacific Telephone & Telegraph Co., 740 South Olive St., Los Angeles, plans 2 or 3 story Palm Ave. and South 3rd St. $150,000. Private plans.

Calif., Eureka—HOSPITAL—Humboldt Co. plans rebuilding hospital, destroyed by fire. $200,000 or more.

Calif., Glendale—BANK and OFFICE—Pacific Southwest Trust & Savings Bldg., Los Angeles, having plans prepared by Dodd & Richards, Bracks-Shops Bldg., Los Angeles, 6 story and basement, 50 x 150 ft., rein.-con. and brick, Brand Blvd. and Bway., here. To exceed $150,000. Noted Apr. 9.

Calif., Hayward—HOTEL—C. W. Heyer, Mills Bldg., having plans prepared by H. H. Meyers, Kohl Bldg., fireproof, Castro St. $200,000.

Calif., Long Beach—WAREHOUSE—Home Ice Co., 7071 Santa Monica St., having plans prepared by P. J. Duncan, 793 Pacific Natl. Bank Bldg., Los Angeles, 5 story, 75 x 133 ft., rein.-con., 625 Anaheim Rd. $150,000.

Calif., Los Angeles—CLUB—Auto Club of South California, 2601 South Figueroa St., plans 3 or 4 story, rein.-con. addition, $150,000 or more. Hunt & Burns, Laughlin Bldg., archts.

Calif., Los Angeles—CLUB—Hollywood & Olympic Holding Co., Highland and Franklin Aves., having plans prepared by Walker & Eisen, 701 Great Republic Life Bldg., 10 story with 12 story tower, 170 x 195 ft., steel and rein.-con., Highland and Franklin Aves. $750,000.

Calif., Los Angeles—CLUB—Wilshire-California Athletic Club having plans prepared by W. Allen, 917 Pacific Natl. Bank Bldg., 8 story and basement, 150 x 150 ft., rein.-con., brick and terra cotta, Vermont Ave. between 1st and 3rd Sts. $750,000.

Calif., Los Angeles—WAREHOUSE—City had plans prepared by Bd. Educ. Architectural Dept., 8 story, 136 x 166 ft., rein.-con., San Pedro St.

Calif., Los Angeles—WAREHOUSE—Los Angeles Bd. Educ., having plans prepared by Bd. Educ. Architectural Dept. and P. Jeffers, engr., 810 West 6th St., 8 story and basement, 135 x 166 ft., rein.-con., incl. electric freight elevator and gas heating, 1445 San Pedro St. $250,000.

Calif., San Francisco—APARTMENT—C. F. Parker, 251 Kearny St., plans 6 story and basement Geary near Hyde Sts. $150,000. L. Ebbets, 251 Kearny St., archt.

Calif., San Francisco—HOSPITAL—Bakewell & Brown, archts., 251 Kearney St., soon takes bids 6 story and basement Class "A" construction, Buena Vista Ave., for St. Josephs Hospital, Buena Vista Ave. $500,000 or more. C. H. Snyder, 25 Kearny St. engr. Leland & Haley 58 Sutter St., mechanical engrs.

Calif., San Francisco—HOTEL and APARTMENT—L. R. Lurie, 315 Montgomery St., having plans prepared by Weeks & Day, engrs. and archts., Ritz-Carlton Hotel, 30 story and basement, brick, steel and concrete, Gough and Washington Sts. $5,000,000.

Calif., San Gabriel—THEATRE—Mission Playhouse Corp., W. I. Hollingsworth, pres., 341 La Fayette Park Pl., plans theatre, here. $250,000. A. B. Benton, 1548 Sunset Blvd., Los Angeles, archt.

Calif., Santa Monica—CLUB—Crystal Pier Beach Club having plans prepared by L. A. Bryant, 700 South La Brea Ave., 3 story, rein.-con. and stucco, Nat Goodwin Pier. $150,000.

Calif., Santa Monica—CLUB—Gables Club, c/o Curlett & Beelman, archts., Union Bank Bldg., Los Angeles, plans 12 story and basement club, here. To exceed $350,000.

Calif., Stockton—CLUB, etc.—Stockton Yacht Club, c/o Allen & Young, archts., Union Blk., having preliminary plans prepared club and harbor improvements, junction of San Joaquin and Calaveras Rivers.

Ont., Ottawa—OFFICE—J. A. Evart, archt., Jackson Bldg., preparing plans and soon takes bids 9 story and basement, 66 x 198 ft. office building, Sparks and Queen Sts., for Ottawa Electric Light & Gas Co., Sparks St. $650,000.

Bids Desired

Mass., Boston—FIRE STATION—City Fire Dept., Bristol St., taking bids 3 story and basement, 65 x 100 ft., brick and limestone, plain foundation, Shawmut Ave. and Warrenton St. $345,000. J. M. Gray, 175 High St., archt. Noted Apr. 22.

Mass., Boston—THEATRE and STORE—See "Contracts Awarded."

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Buildings—Commercial (Continued)

Mass., Cambridge (Boston P. O.)—APARTMENT—See "Contracts Awarded."

Mass., Framingham — TOWN HALL — Deputy Sheriff Walsh, Court House, Cambridge, taking bids brick town hall, and auditorium, here. $150,000. Ashton, Huntress & Alter, 477 Essex St., Lawrence, archts. Noted Mar. 25.

Mass., Lowell—STORE—A. G. Pollard Co., 144 Merrimanck St., taking bids 3 story and basement, 70 x 150 ft., and 50 x 70 ft., brick and stone, plain foundation. $150,000. H. L. Rouke, Hildreth Bldg., archt. Noted Aug. 12.

Mass., Medford (br. Boston)—BANK—First Natl. Bank, c/o Hutchins & French, archts., 11 Beacon St., Boston, taking bids 1 story and basement, brick, stone, and steel, plain foundation, Medford Sq. $150,000.

Mass., Somerville (Boston P. O.)—HOME—Somerville Home for the Aged, 76 Boston St., taking bids 3 story and basement, irregular shaped, brick and stone, plain foundation, 117 Summer St. $150,000. C. M. Baker, 25 Arch St., Boston, archt. Noted Aug. 12.

Conn., New Haven—APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

Pa., Greensburg—HOSPITAL—Sept. 4, by Westmoreland Hospital Assn., 4 story and basement, brick, steel and stone addition. $280,000. E. L. Tilton, 141 East 45th St., New York City, archt.

Pa., Phila.—OFFICE—Sept. 7, by Dreher & Churchman, archts., Otis Bldg., 3 story and basement, 58 x 90 ft. rein.-con., brick and steel, plain foundation, 12th and Vine Sts., for C. D. Jarvis, 1211 Vine St.

Md., Baltimore—THEATRE—Hoffman-Henon Co., archts., Finance Bldg., Phila., taking sub-bids 1 story and basement, 100 x 300 ft., rein.-con., brick and steel, plain foundation, Howard and Franklin Sts., here, for Stanley Co. of America, 1916 Race St., Phila., Pa. $1,500,000.

N. C., Wilson—BANK and OFFICE—John T. Wilson Co., Inc., (contractor) Mutual Bldg., Richmond, Va., taking subbids 7 story, rein.-con., steel and granite, incl. 1 service elevator, here, for 1st Natl. Bank, J. F. Burton, pres. C. C. Hartmann, Jefferson Standard Life Bldg., Greensboro, archt. Noted May 6.

O., Cleveland—LODGE—Sept. 14, by J. F. Sperry, chn. Building Com. Cleveland Aerie of Eagles, Cleveland, at 302 Pittsburgh Bldg., St. Paul, Minn., 10 story and basement, 188 x 193 ft., rein.-con. and steel, incl. steam heating and passenger elevators. $1,250,000. G. F. Stewart, 302 Pittsburgh Bldg., St. Paul, Minn., archt. Noted June 24.

O., Dayton—CHILDRENS HOME—Sept. 28, by Comrs. Montgomery Co., rein.-con. and brick, plain foundation, North Main St. $400,000. Gebhart & Schaeffer, Keith Bldg., archts. Noted Aug. 26.

O., Mansfield—OFFICE—Sept. 10, by Althouse & Jones, archts., 5 story and basement, 60 x 250 ft., brick and rein.-con. office, for Ohio Brass Co. $200,000.

Ind., Fort Wayne—OFFICE—Chamber of Commerce, taking bids 4 story and basement, rein.-con., brick and steel, Wayne and Ervin Sts. $200,000. Snider & Rotz, 703 Merchants Bank Bldg., Indianapolis, engrs. G. Mahurin, 425 Standard St., archt.

Mich., Highland Park (br. Detroit)—MUNICIPAL—Sept. 7, by D. C. Gowing, city clk., 2 story and basement, rein.-con., brick and steel, plain foundation, incl. steam heating system, etc., Gerald Ave. $165,000. M. R. Burrowes, 700 Architect Bldg., and F. Eurich, Jr., 415 Bramard St., Detroit, archts.

Ill., Chicago—APARTMENT—Koenigsberg & Weisfeld, archts., taking bids 7 story and basement, 50 x 150 ft., rein.-con., brick and stone, 6321-23 Winthrop Ave. $350,000. Owner's name withheld.

Wis., Milwaukee—APARTMENT—Goodsitt & Helfaer, 4609 North Ave., taking bids 3 story and basement, 47 x 164 ft., brick, plain foundation, Lyon St. $150,000. Private plans.

Mo., St. Louis — APARTMENT and STORE — See "Contracts Awarded."

Tex., Dallas—APARTMENT HOTEL—See "Contracts Awarded."

Tex., Houston — WAREHOUSE — Carnegie Steel Co. taking bids warehouse, incl. seven 80 x 480 ft., and one 85 x 480 ft. steel buildings.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Redwood City — TUBERCULAR PREVENTORIUM — Sept. 15, by Bd. Pub. Wks., San Francisco and San Francisco Co. (San Francisco), tubercular preventorium, at Pulga tunnel, near here, San Mateo Co. $269,000. H. H. Meyers, Kohl Bldg., San Francisco, archt.

Calif., Ventura—CLUB—C. H. Russell, archt., Story Bldg., Los Angeles, taking bids 2 story 95 x 150 ft., rein.-con. and clay, here, for B. P. O. E. $150,000.

Bids Received

Mo., St. Louis — AUDITORIUM — Bd. Pub. Serv., 208 City Hall, 2 story and basement, 55 x 190 ft., rein.-con. and stone, Arsenal and Brannon Sts., from Humes-Deal Constr. Co., Syndicate Trust Bldg., $179,437.

Contracts Awarded

Me., Augusta — THEATRE — Maine Theatre Corp., c/o Bunker & Savage, archts., 256 Water St., 1 story and basement, brick and steel, to C. E. Hoxie, 42 State St. Archts. est. to exceed $150,000.

Mass., Boston — HOSPITAL — Beth Israel Hospital, c/o Densmore, LeClear & Robbins, archts., Park Sq. Bldg., 7 story and basement, 45 x 185 ft., brick, steel and limestone, plain foundation, Brookline Ave., to Holt-Fairchild Co., 7 Water St. Archts. est. $1,000,000. Noted Apr. 22.

Mass., Boston—OFFICE—Natl. Casket Co., 3 Park St., 4 story and basement, 8,000 sq.ft. floor space, brick and stone, plain foundation, 355 Commonwealth Ave., to W. A. Wentworth Co., 107 Pacific St., Cambridge. Archts. est. $150,000. Noted June 17.

Mass., Boston—THEATRE and STORE—S. Rudnick, 333 Washington St., will build 1 story and basement, brick and steel, plain foundation, Warren and Waverly Sts. $250,000. Work will be done by separate contracts.

Mass., Boston — WAREHOUSE and GARAGE — Morgan Furniture Co., 755 Washington St., 6 story, 67 x 140 ft., warehouse and 1 story, 85 x 125 ft. graage, rein.-con., plain foundation, Massachusetts Ave., to Canter Constr. Co., 6 Beacon St., Boston. Archts. est. $150,000.. Noted Aug. 5.

Mass., Cambridge (Boston P. O.)—APARTMENT—M. Greenspan, basement, brick and stone, plain foundation, Massachusetts Ave. and Arlington St. To exceed $150,000. Work will be done by separate contracts. Blackall, Clapp & Whittemore, 31 West St., Boston, archts.

Mass., Everett (Boston P. O.)—OFFICE—Beacon Oil Co., 111 Devonshire St., Boston, 3 story and basement, brick and stone, plain foundation, Beaham St., to L. R. Porter Co., 6 Derby St., Salem. Archts. est. $150,000.

Mass., Malden (br. Boston)—STORAGE and OFFICE—L. B. Blood, Inc., 3 story and basement, brick and steel, to W. T. Reed, 200 Devonshire St., Boston. Archts. est. $300,000. Noted July 22.

Mass., Springfield—HOTEL—Clinton Hall Hotel, 4 story and basement, 77 x 103 ft., addition, Main and Emery Sts., to L. S. Wood, 14 Stockbridge St. Archts. est. $150,000.

R. I., Providence—BANK—Old Colony Co-Operative Bank, 602 Industrial Trust Bldg., 8 and 9 story, brick and steel, Weybosset St., to G. B. H. Macomber, 44 School St., Boston. Archts. est. to exceed $150,000. Noted Apr. 8.

Conn., Bridgeport—BANK—West Side Bank, 1418 State St., 2 story, 55 x 110 ft., brick, steel and stone, State St., to Pardy Constr. Co., 1481 Seaview Ave. Archts. est. $150,000. Noted May 13.

Conn., Hartford — WAREHOUSE — Travelers Insurance Co., 57 Prospect St., 3 story, 60 x 232 ft., concrete and steel, Front St., to Marc Eidlitz & Son, Inc., 750 Main St. Archts. est. $150,000.

Conn., New Haven — APARTMENT — Adleman Bros., 432 Ellsworth Ave., will build 2 story and basement, 136 x 140 ft., brick, steel and artificial stone, incl. 16 car garage, Fountain St., by day labor. $150,000. H. S. Cannici, 82 Church St., archt.

N. Y., Mt. Vernon—OFFICE—Westchester Lighting Co., South 1st Ave., 10 story, 114 x 193 ft., brick, steel and stone, plain foundation 1st St. and 1st Ave. to White Constr. Co., 95 Madison Ave., New York City. Archts. est. $1,000,000.

N. Y., New York — APARTMENT — Jatison Constr. Co., Inc., c/o Schwartz & Grass, engrs. and archts., 347 5th Ave., will build 14 story, 76 x 164 ft., brick, steel and stone, plain foundation, incl. 3 electric elevators, Park Ave. and 78th St. Work will be done by separate contracts.

N. Y., New York — APARTMENT — Rhoades-Kennedy Securities Corp., 342 Madison Ave., 10 story, brick, steel and stone, plain foundation, incl. 3 electric elevators, 213 Madison Ave., to T. E. Rhoades Co., Inc., 342 Madison Ave. Archts. est. $500,000.

N. Y., New York—OFFICE, SHOWROOM and STORE—A. N. Adelson, Inc., 65 West 39th St., 26 story, brick, steel and stone, plain foundation, 2 Park Ave., to Shroder & Koppel, Inc., 347 Madison Ave. Archts. est. $9,000,000.

N. J., Atlantic City—HOTEL—Jefferson Hotel, 7 story and basement, 50 x 180 ft., rein.-con., brick and steel, concrete pile foundation, Kentucky Ave., to V. Gondos Co., 800 North 10th St., Reading, Pa.

Pa., McKees Rocks—BANK—First Natl. Bank, general contract 1 story and basement bank, to Cuthbert Bros., Bessemer Bldg., Pittsburgh. Archts. est. $150,000.

Pa., New Castle — HOTEL — Castleton Hotel Co., 6 story and basement, 100 x 100 ft. hotel, to H. J. Conrath Co., Erie. Archts. est. $350,000. Noted Aug. 19.

Pa., Phila.—THEATRE—L. Kapner, c/o W. H. Lee, archt., Schaff Bldg., 1 story and basement, 80 x 175 ft., rein.-con., brick and steel, plain foundation, 31st and Diamond Sts., to H. P. Schneider, 3713 Old York Rd. Noted May 20.

Pa., Pittsburgh — APARTMENT — Webster Hall Corp., Majestic Bldg., Detroit, Mich., general contract 9 story and basement, 99 x 105 ft. apartment, Bayard and Melwood Sts., here, to Everett Winters Co., 1651 Grand Blvd., Detroit, Mich. Archts. est. $500,000. Noted June 10.

Pa., Pittsburgh — OFFICE — Beverly Building Co., c/o F. H. Smith, Co., Phila., general contract 21 story and basement, 60 x 110 ft. brick, stone and terra cotta, 4th Ave. and Cherry Way, here, to Boyle Robertson Constr. Co., Evans Bldg., Wash., D. C. Archts. est. $2,500,000.

Miss., Biloxi—HOTEL—Beach Hotel Co., 5 story, concrete and tile hotel, East Beach St., to Kaucher-Hodges Co., Shrine Bldg., Memphis, Tenn. Archts. est. $250,000.

La., Baton Rouge—HOTEL—A. Glassell, Shreveport, 12 story, rein.-con., brick and stone hotel, here, to Glassell-Wilson Constr. Co., Inc., Sinclair Bldg., Shreveport. Archts. est. $1,000,000.

La., Shreveport—COURTHOUSE—E. F. Neild, archt., 206 City Natl. Bank Bldg., general contract 8 story, 120 x 220 ft., rein.-con. and stone, McNeil, Marshall, Milan and Texas Sts., to Glassell-Wilson Co., Inc., Sinclair Bldg., $918,458. Noted July 29.

Tenn., Memphis—AUDITORIUM—Shelby Co., 2 story, 75 x 100 ft., fireproof auditorium, White Ave., to F. J. Ozanne & Co., Memphis. Archts. est. $150,000.

Ind., Anderson — APARTMENT — Georgian Apartment Co., 10th and Meridian Sts., 3 story, 100 x 200 ft., rein.-con., incl. electrical refrigeration, to A. Bayhau, 3542 North Penn. St., Indianapolis, $250,000. Noted July 29.

Ind., Anderson—BANK and OFFICE—Anderson Bank Co., 1003 Meridian St., 6 story, rein.-con., brick and steel, plain foundation, 10th and Meridian Sts., to L. Colvin, 823 Continental Bank Bldg., Indianapolis, $500,000.

Ind., Oaklandon — HOSPITAL — Bd. Comrs. Marion Co., general contract "Sunnyside Hospital," rein.-con., brick and steel, to State Constr. Co., 1201 East 30th St., Indianapolis, $261,222; heating and plumbing, to Freyn Bros., 1208 North Illinois St., Indianapolis, $49,408 Noted July 8.

Mich., Benton Harbor — M. W. Stock Constr. Co. (contractors), St. Joseph, will build 4 story and basement, 94 x 133 ft., rein.-con., brick and steel, plain foundation, incl. swimming pool and billiard room, here, for Benton Harbor St. Joseph Y. M. C. A. Noted June 24.

Mich., Detroit—OFFICE—C. Brooks, 113 Martin Pl., 8 story and basement, 68 x 73 ft., rein.-con., brick and stone, plain foundation, incl. steam heating system, John R. St., to Bryant & Detwiler, 2336 Dime Bank Bldg. Noted Aug. 5.

Ill., Chicago — APARTMENT — F. J. Hardin, 38 South Dearborn St., masonry and concrete contract 8 story, 60 x 127 ft., rein.-con., brick and stone, 6104-08 Woodlawn Ave., to Harting & Webster, 4414 North Maplewood Ave. Archts. est. $650,000. Noted Aug. 5.

Ill., Chicago — APARTMENT — I. E. Glassman, 1559 Devon St., masonry contract 3 story, 164 x 172 ft., brick, 727-29 Briar Pl., to Scholin & Lenberg, 861 Fletcher St.; carpentry contract, to J. H. Bickley, 1559 Devon Ave. Archts. est. $250,000.

Ill., Chicago—APARTMENT HOTEL—Fleetwood Building Corp., c/o Quinn & Christensen, archts., 360 North Michigan Ave., masonry and carpentry contract, Fleetwood Apartment Hotel, 8 story and basement, 50 x 150 ft., 6026 Winthrop Ave., to H. Janisch & Co., 1813 Winona St.; cut stone, to W. Schick & Co., 2917 South 48th Ave.; refrigerating machine, to Peerless Ice Machine Co., 503 South Jefferson St.; tile, to Borden-Fitzgerald Co., 6753 Sheridan Rd. Archts. est. $425,000.

Ill., Chicago—STORE and OFFICE—Uptown Broadway Building Corp., 4554 Bway.,

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Buildings—Commercial (Continued)

masonry contract 3 story and basement, 68 x 164 ft., brick, 4701-15 Bway., to Fridstrom & Gustafson, 5405 North Sawyer Ave.; carpentry contract, to N. Lulay, 4710 North Paulina St. Archts. est. $225,000. Noted Aug. 5.

Wis., Milwaukee — APARTMENT — Sheridan Co., c/o Backes & Uthus, archts., 216 West Water St., 6 story and basement, 46 x 160 ft., rein.-con. and brick, plain foundation. Grand Ave., to E. Steigerwald & Sons, 51st and State Sts. Archts. est. $150,000.

Wis., Racine — THEATRE and BUSINESS—Buhler & Buhler, 1418 Washington Ave., 2 story and basement, 50 x 70 x 184 x 235 ft., rein.-con. and brick, plain foundation, to Peterson & Colwell, Inc., 646 Builders Exch., Minneapolis, Minn. Archts. est. $160,000. Noted July 22.

Ia., Council Bluffs—HOSPITAL—Mercy Hospital, general contract 4 story and basement, 47 x 91 ft. and 32 x 41 ft., brick, concrete and stone addition, Harmony and Fraak Sts., to J. Hansen, 803 Ave. F, Archts. est. $150,000. Noted Apr. 29.

Kan., Kansas City — Y. M. C. A., 431 North 15th St., general contract completing 3 story and basement, 120 x 128 ft., rein.-con., brick, stone and terra cotta building, to E. D. Shuck, 552 Minnesota Ave., $151,-000. Noted May 27.

Mo., St. Louis — APARTMENT and STORE — M. Weinberg Constr. Co., 816 Chestnut St., will build 7 story and basement, rein.-con., brick and terra cotta, Vandeventer and West Pine Sts., by day labor. $500,000. D. R. Harrison, 6053 Waterman Ave., archt.

Mo., St. Louis—AUDITORIUM—Bd. Pub. Serv., 2 story and basement, rein.-con., brick and stone auditorium, solaria and dining hall, Arsenal and Brannon Sts., to Humes-Deal Constr. Co., Syndicate Trust Bldg., $179,437. Noted Aug. 5.

Mo., St. Louis—THEATRE and APARTMENT — Central Properties Corp., 706 North Grand Blvd., 2 story and basement, 147 x 200 ft., rein.-con., brick and steel, Hamilton and Eastern Aves., to Boaz-Kiel Constr. Co., 4020 Chouteau Ave. Archts. est. $1,000,000.

Tex., Mineral Wells — HOTEL — Baker Hotels of Texas, c/o T. B. Baker, c/o Gunter Hotel, 8 story, rein.-con. and steel, incl. roof garden, gymnasium, bowling alleys, swimming pool, etc., to Inge & Burgher, Inc., 1307 Main St., Dallas, $1,-750,000. Noted June 13.

Mo., St. Louis—WAREHOUSE—Century Electric Co., 1806 Pine St., 5 story and basement, 88 x 138 ft., rein-con. warehouse, 332-336 South 21st St., to Wimmer Contg. Co., 912 Victoria Bldg. Archts. est. $150,000.

Tex., Bay City—HOTEL—Bay City Hotel Co., c/o P. Smith, pres., will build 3 story and part basement, brick, stone and rein.-con., incl. elevator, plumbing and heating, etc., by day labor under supervision of Howard & Howard, archts., 615 San Jacinto St., Houston. $150,000.

Tex., Dallas—APARTMENT HOTEL—J. Tucker & H. T. McQueen, 6358 Valesco St., will build 10 story and basement, 44 x 90 ft., brick, stone and rein.-con. incl. heating, plumbing, elevators, etc., 723 North St., Paul St., by day labor. $250,000. W. A. Cooke, 708 Wilson Bldg., archt. Gardner & Howe, 1112 Kirby Bldg., structural engr. Noted June 24.

Tex., Houston—LODGE—Ancient Order of Pilgrims, c/o J. Ryan, supreme recdr., 205-10 Lincoln Theatre Bldg., 4 story and basement, 100 x 120 ft., irregular shaped, brick, steel and rein.-con., incl. elevator, heating and plumbing, etc., West Dallas and Bagby Sts., to Southwestern Constr. Co., 428 West Bldg., approximately $225,000. Noted Aug. 5.

Tex. Houston—WAREHOUSE—Houston Compress Co., c/o A. H. Mueller, 1209 Cotton Exch. Bldg., 1 story, 250 x 600 ft. timber warehouse, incl. pier addition, to D. Hall, 523 Cotton Exch. Bldg., $90,000.

Tex., San Antonio — HOTEL — Clarence Garrett Investment Co., c/o Maverick Bldg., 12 story and basement, incl. roof garden and 2 elevators, Ave. E and 4th St., to Cathedral Hotel Co., c/o owners. Archts. est. $600,000. Noted July 1.

Tex., San Benito—HOTEL—San Benito Hotel Co., c/o E. Downs, pres. bd. dirs., 3 story brick, tile and rein.-con., incl. elevator, etc., to H. J. Hansen & Son, Brownsville. Archts. est. $175,000. Noted July 29.

Tex., Vernon — BANK and OFFICE — Harring Natl. Bank, c/o C. P. Harring, 5 story and basement, 44 x 110 ft., rein.-con., brick and stone, plain foundation, incl. elevator, to R. H. Brown, c/o Perkins-Snider Bldg., Wichita Falls, approximately $200,000.

Tex., Welasco—HOTEL—C. A. Scheffield, c/o Park Hotel Dallas, 5 story and part basement, brick, stone and rein.-con., incl. elevators, plumbing, heating, etc., here, to Hughes-O'Rourke Constr. Co., 173½ Live Oak St., Dallas, $250,000 cost plus basis. Noted Aug. 5.

Okla., Oklahoma City—AUTO HOTEL—Auto Hotel Co., Tradesmens Bldg., 7 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, incl. 2 high speed freight elevators, West 1st St., to Reinhart & Donovan, Tradesmens Bldg., $150,000.

Calif., Los Angeles—APARTMENT—P. A. Weeger, 4669 Hollywood Blvd., will build 6 story and basement, 49 x 115 ft. stone and stucco, incl. 2 elevators and steam heating system, Gramery Pl. and 8th St., by day labor. $175,000. Gogerty & Weye, 818 Hollywood Guarantee Bldg., archt.

Calif., Los Angeles—APARTMENT—H. N. Dickerman, Pacific Natl. Bank Bldg., will build 4 story and basement, 55 x 156 ft., brick, Westmoreland St., by day labor and sub-contracts. $150,000. A. R. Sedgley, Kerckhoff Bldg., archt.

Calif., Los Angeles—APARTMENT—M. R. Raab, general contract 5 story, 64 x 163 ft., rein.-con., 1832 North Cherokee Ave., to S. F. Bard & Co., 566 Chamber of Commerce Bldg., $300,000.

Calif., Los Angeles — CLUB — Breakers Club, Spring Arcade Bldg., 14 story and basement, 50 x 150 ft., rein.-con., brick and terra cotta, incl. steam heating and ventilating systems, 6th and Loomis Sts., to A. Bard & Co., 1014 Pacific Natl. Bank Bldg., $780,000.

Calif., Los Angeles — CLUB — Breaker Club, Spring Arcade Bldg., approximately 12 story and basement, rein.-con., 6th and Loomis Sts., to Bard & Co Pacific Natl. Bank Bldg. Archts. est. to exceed $500,-000.

Calif., Los Angeles—GARAGE—Santee Garage, 838 South Santee St., 6 story, 100 x 160 ft., rein.-con., Santee St. between 8th and 9th Sts., to Pinner Masonry Constr. Co., 4362 South Hoover St., $310,000.

Calif., Los Angeles—STORE and OFFICE—Whittier Blvd., Pool Inc., part 1 and 2 story, 150 x 170 ft., brick, incl. 3 swimming pools largest being 67 x 118 ft. Whittier Blvd. and Spence Sts., to Klinglesmith Constr. Co., Van Nuys Bldg., approximately $150,000.

Calif., Los Angeles — WAREHOUSE — Dohrmann Commercial Co., 1300 Factory Pl., 3 story and basement, 100 x 140 ft., rein.-con., Factory Pl., to Scofield Eng. Co., Pacific-Finance Bldg.

Calif., Marysville — THEATRE — Natl. Theatre Syndicate, 25 Taylor St., San Francisco, having plans prepared by Bliss & Fairweather, Balboa Bldg., San Francisco, Class "A" construction, E St., to L. C. Evans, 201½ D St. Archts. est. $200,000.

Calif., Oakland — HOSPITAL—Hillcrest Hospital Corp., 8 story and basement, rein.-con., Orchard Ave., to P. J. Walker Co., 55 New Montgomery St., San Francisco, $500,-000 cost plus percentage basis. Noted March 4.

Calif., San Francisco — LOFT and WAREHOUSE—W. H. Sullivan, Alexander Bldg., 2 story and basement, brick, 9th St. near Bryant St., to G. Wagner, 181 South Park St. Archts. est. $150,000. Hood Rubber Products Co., Inc., 585 Howard St., lessee.

B. C., Vancouver — HOTEL — Canadian Natl. Ry., Ottawa, Ont., general contract 12 story and 2 basements, 550 room, rein.-con. and steel, plain foundation, Georges St., here, to E. J. Ryan Contg. Co. Ltd., 445 Granville St. E. Archts. est. $3,500,000.

Buildings—Industrial

Proposed Work

Mass., Boston—REPAIR and SERVICE GARAGE—H. Chisholm, archt., 46 Cornhill, Boston, preparing plans 1 story, 120 x 120 ft., rein.-con., brick and stone, plain foundation, Massachusetts Ave. near Edward Everett Sq. $50,000. Owner's name withheld.

Mass., Dorchester (Boston P. O.)—FACTORY—Knox & Morse Co., 140 Oliver St., Boston, soon lets contract 2 story, 50 x 100 ft., brick factory. $45,000. E. L. Rawson, 6 Beacon St., Boston, archt.

Mass., Malden (br. Boston)—GARAGE and REPAIR SHOP—A. G. Bottomley, archt., 10 Tremont St., Boston, preparing plans 1 story, rein.-con. and brick, plain foundation, here. $40,000. Owner's name withheld.

Mass., Maynard — PLANT — Cellulose Products, Inc., c/o Amer. Powder Mills, Acton, T. Barron, pres., plans brick, lacquer and cotton purifying plants, here. To exceed $40,000. Private plans.

Mass., Somerville—REPAIR and SERVICE GARAGE—Winter Realty Co., Inc., 373 Bway., rejected bids and having revised plans prepared by Stebbins & Watkins, Federal St., Boston, 2 story, 100 x 120 ft., rein.-con., brick and steel, plain foundation, Bond St. $100,000.

Mass., Woburn—REPAIR and SERVICE GARAGE—J. H. Bates & Co., Inc., 75 Montvale Ave., plans 1 story brick, Main and Manning Sts. $50,000. Engineer and architect not selected.

Conn., Hartford — DAIRY PLANT — R. G. Miller 151 Earl St., plans 2 story, 50 x 100 ft., brick and steel dairy plant $40,000. Private plans.

Conn., New Haven—SHOP—New York New Haven & Hartford R.R. Co., E. Gaggel ch. engr., plans brick and steel additions here. $150,000. Private plans.

N. Y., Buffalo—GARAGE—Nash Buffalo Corp., 25 East Jewett St., plans 5 story garage. $100,000.

N. J., Newark—POWER HOUSE—Dept. Parks & Pub. Safety, City Hall, soon takes bids rein.-con., brick and steel, plain foundation, in connection with City Hall extension. $200,000. J. S. Pigott, 402 Broad St., archt.

Pa., Beaver Falls—MANUFACTURING—Standard Steel Specialty Co., having plans prepared 1 story, 90 x 120 ft., brick, steel and timber addition. $40,000. Private plans.

Pa., Canonsburg—FACTORY—Continental Can Co. having plans prepared 2 story, 80 x 100 ft., rein.-con. and brick factory $80,000. Francisco & Jacobus, 511 5th Ave., New York City, N. Y., engrs.

Pa., Meadville — FACTORY — Hookless Fastener Co. having plans prepared by Wilbur Watson and associates, 4614 Prospect Ave., Cleveland, O., 2 story and basement, brick and concrete addition. Noted June 10.

Pa., New Castle—FOUNDRY and SHOP—Johnson Bronze Co., having plans prepared 1 and 2 story, irregular shaped, brick, concrete and steel foundry and shop $75,000. H. K. Ferguson Co., St. Clair and East 106th Sts., Cleveland, O., engrs.

Md., Baltimore — BAKING PLANT — Ward Bread Co., 774 Pacific St., Brooklyn, N. Y., having plans prepared by C. B. Comstock, 110 West 40th St., New York City, 3 story and basement, 151 x 391 ft., rein.-con. and brick, plain foundation, Edmondson Ave. and Bentalon St.

N. C., Hamlet — MACHINE SHOP and OFFICE—Seaboard Air Line Ry., W. D. Faucette, ch. engr., Savannah, Ga., plans enlarging engine repair shop, and constructing 4 story office building, here.

O., Cleveland — PACKING HOUSE — Kreinberg & Krasny, 3112 West 63rd Sts., plans 2 story and basement, brick, steel and concrete, West 65th St. $50,000. Engineer and architect not selected.

O., Columbiana—DRAIN TILE PLANT—H. and G. T. Landrum, 2459 East Main St., making plans drain tile plant, brick, steel and concrete. $85,000. T. W. Grave, Schultz Bldg., Columbus, engr.

O., Youngstown—PRINTING PLANT—Vindicator Printing Co., plans printing plant, Front and Phelps Sts. $200,000.

Ind., Jeffersonville—FACTORY—M. Fine & Sons, 15th and Main Sts., New Albany, having plans prepared by Joseph & Joseph, Francis Bldg., Louisville, Ky., 1 story and basement, 60 x 175 ft., rein.-con., brick and steel, here. $65,000.

Mich., Menominee — FACTORY — Bates Valve Bag Co., 8240 South Chicago Ave., Chicago, Ill., having plans prepared 1 story, 82 x 240 ft., concrete and brick, plain foundation.

Wis., Mendota—PLANT—State Bd. Control, A. W. Bagley, secy., Madison, having plans prepared by A. Peabody, State Capitol, Madison, 1 story and basement, 50 x 60 ft., rein.-con., brick and steel, plain foundation, here, for hospital for insane. $40,000.

Wis., Milwaukee—PRINTERY and OFFICE—Randco Corp., 466 Oakland Ave., having plans prepared by Keymar & Nack, 466 Oakland Ave., 7 story and basement, 120 x 121 ft., brick, concrete, pre-cast stone, and steel, plain foundation, Van Buren and Mason Sts. $250,000. Meyer-Rotier-Tate Printing Co., 133 2nd St., lessee. Noted July 1.

Wis., Milwaukee—STRUCTURAL SHOP—Chain Belt Co., 736 Park St., having plans prepared by F. D. Chase, Inc., engrs and archts., 720 North Michigan Ave., Chicago, Ill., 1 story, 120 x 308 ft., brick and steel, plain foundation, 39th Ave. and Orchard St.

Wis., New London—SHOE FACTORY—Menzies Shoe Co., Superior St., Fond du Lac, will soon take bids 1 story, 100 x 250 ft., brick and timber, plain foundation. $60,000. Private plans. Noted Aug. 19.

Minn., St. Paul — COLD STORAGE PLANT—Luley Abattoir Co., 567 North

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Buildings—Industrial (Continued)

Cleveland Ave., having plans prepared by A. F. Gauger, 605 Exch. Bank Bldg., 3 story and basement, rein.-con., and brick, Minnesota Transfer. $150,000.

Neb., Fremont—POWER PLANT—City having plans prepared and takes bids about Sept. 19, 1 story, 30 x 50 x 100 ft., brick addition, incl. smokestack and one 600 hp. boiler. $100,000. Burns & McDonnell Eng. Co., 402 Interstate Bldg., engrs.

Tex., Beaumont—COTTON COMPRESS—City, c/o O. J. Bloyd, mgr., plans 200 bale daily capacity cotton compress. $60,000. J. F. Coleman, Hibernia Bldg., New Orleans, La., engr.

Tex., Beaumont—COTTON COMPRESS—S. W. Pipkin and associates, c/o Amer. Natl Bank, plan high density cotton compress on Municipal Wharves. City will erect (1st unit) 125 x 900 ft. sheet metal, sprinkler system and Webb high density compress. $250,000. R. Jones, Nacogdoches, in charge.

Tex., Beaumont—COTTON GIN—M. C. Hoffmeister, c/o Enterprise Publishing Co., and J. E. Broussard, c/o Beaumont Rice Mills, making plans 4 stand, 80 saw cotton gin. $45,000 or more.

Tex., Beaumont — WAREHOUSE and COMPRESS—O. J. Bloyd, c/o Chamber of Commerce, plans 1 story, 125 x 900 ft., 200 bale capacity, rein.-con., brick and steel, incl. tracks and wharves. $100,000. Private plans.

Tex., Corpus Christi—POWER PLANT—Central Power & Light Co., c/o E. B. Neiswanger, mgr., c/o Frost Bldg., San Antonio, plans altering and constructing plant from 23,000 to 36,000 hp., incl. 4,600 hp. turbine, two 600 hp. Edgemoore boilers, new steel substation, steel towers, etc., here. $500,000.

Texas—COTTON GIN, etc.—Gulf Cotton Co., c/o C. C. Groat, pres., 1609 A St., Galveston, plans 4 stand 80 saw capacity gin plant, at Galveston, 5 stand 80 saw capacity at Fairchild, and 4 stand 80 saw capacity at Anchor. $120,000. Private plans.

Tex., Dallas—FREIGHT TERMINAL—Southern Pacific R.R. Co., G. W. Boschke, ch. engr., 65 Market St., San Francisco, Calif., having plans prepared and soon takes bids 2 story, 50 x 350 ft. and 1 story sections each, 45 x 700 ft., brick, steel and tile, Central Ave. from Commerce to Aiken Sts., here. $1,500,000.

Tex., Harlingen — COTTON COMPRESS—Aransas Compress Co., c/o R. M. Loving, supt., having plans prepared brick and rein.-con. compress. $45,000. Private plans.

Tex., McKinney — COTTON MILL — Miller Mfg. Co., c/o F. D. Perkins, dir., plans brick and rein.-con. mill. $55,000. Engineer and architect not selected.

Tex., Orange—COTTON COMPRESS—D. Nelson plans 100 bale capacity cotton compress, and two 80 saw gin stands. $90,000. Private plans.

Tex., San Antonio — REFRIGERATING PLANT — City making preliminary plans refrigerating plant in new municipal auditorium. I. Ewig, city engr.

Okla., Baird — COTTON COMPRESS — Pocassett Grain & Elevator Co., plans 100 bale capacity, fireproof cotton compress, incl. machinery. $60,000. Private plans.

Wash., Longview—FACTORY—Columbia River Door Co. plans rebuilding plant, recently destroyed by fire. $100,000 loss.

Wash., Olympia — PAPER PLANT — Olympia Pulp & Paper Co., M. Lemon, pres., plans paper plant at Boston Harbor, near here.

Calif., Long Beach — AUTO PLANT — Ford Motor Car Co., Highland Park, Detroit, Mich., having preliminary plans prepared by A. Kahn Marquette Bldg., Detroit, Mich., 1 story approximately 300,000 sq.ft. floor space, rein.-con., here.

Calif., Los Angeles — FACTORY — Los Angeles Casing Co., 714 Ducommun St., had plans prepared by W. D. Lee, 709 Textile Center Bldg., 1 and 2 story and basement, 120 x 145 ft., brick and concrete, 2600 East 25th St. $40,000.

Calif., San Francisco — PUBLISHING PLANT — Daily News Publishing Co., 340 9th St., having plans prepared 4 story and basement, 100 x 280 ft., rein.-con., Howard and Russ Sts. $300,000. J. H. Hjul, 128 Russ St., engr.

Calif., Santa Barbara — SHOP — Santa Barbara High School Dist., had plans prepared by W. H. Weeks, Ray Bldg., Oakland, several story, rein.-con. buildings. $150,000.

Calif., Turlock—POWER PLANT—Turlock & Modesto Irrigation Dists. plan 2 additional 7,500 kw. units for Don Pedro Power Plant, here.

Que., Beauport—PLANT—Citadel Brick Co., Quebec City, takes bids in fall, plant, north bank St. Lawrence River, near here. $1,000,000.

Ont., Ingersol—REPAIR SHOP—Copelands Garage Auto Repair Shop plans rebuilding repair shop, recently burned. $60,000.

Ont., Midland—FACTORY—International Fibreboard Co. plans rebuilding factory recently burned. $100,000.

Ont., Windsor — ROUNDHOUSE and SHOPS — Canadian Natl. R.R. Co., Montreal, Que., C. S. Gzowski, ch. engr. (of construction) and C. B. Brown, ch. engr. (operating), plans roundhouse, machine shops and enlarging yards, here. $250,000.

B. C., Victoria—PRINTING BUREAU—Provincial Govt. soon takes bids rein.-con. government printing bureau. $250,000.

B. C., New Westminster—SUGAR BEAT FACTORY — W. H. Warton, Vancouver, plans sugar beet factory, here. $1,250,000.

Bids Desired

N. H., Tilton—POWER HOUSE—Tilton School, taking bids 1 story, rein.-con. and brick power house. $40,000. Hutchins & French, 11 Beacon St., Boston, archts.

Mass., Arlington (br. Boston)—GENERATOR and BOILER HOUSE—Arlington Gas Light Co., 689 Massachusetts Ave., A. Hatch, in charge, taking bids 1 story, 40 x 62 x 64 ft., brick and steel, plain foundation, Grove St. $75,000. W. M. Russell, 77 Franklin St., Boston, archt.

Mass., Brighton (Boston P. O.)—MANUFACTURING—See "Contracts Awarded."

Mass., Dorchester (Boston P. O.) FACTORY—Knox & Morse Co., 140 Oliver St., Boston, taking bids 2 story and basement, 75 x 100 ft., brick, plain foundation, 70 Freeport St., here. $75,000. E. L. Rawson, 6 Beacon St., Boston, archt.

Mass., Fitchburg—POWER HOUSE, etc.—See "Buildings—Commercial."

Mass., Fitchburg — WARD, POWER HOUSE and LAUNDRY—Burbank Hospital, Nichols St., taking bids 1 and 3 story and basement, brick and stone, plain foundation. To exceed $150,000. J. D. Leland & Co., 41 Mt. Vernon St., Boston, archts.

Mass., Newton (Ind. br. Boston)—REPAIR and SERVICE GARAGE—Fessenden School, Albermarle Rd., West Newton, taking bids 3 story, brick, stucco and terra cotta, plain foundation, Albermarle Rd. $40,000. Shepard & Stearns, 65 Franklin St., Boston, archts.

Mass., Rutland — WORKSHOP—Central North East Sanatorium, A. Crane, doctor, in charge, taking bids 2 story, brick, plain foundation, Miles Rd. $60,000. Derby & Robinson, 3 Joy St., Boston, archts.

Pa., Altoona — TANK SHOP — Pennsylvania R.R. Co., Broad St. Sta., Phila. taking bids 1 story, 120 x 632 ft., brick and steel tank shop, here. $200,000. A. C. Shand, Phila., ch. engr.

Pa., Phila.—PLANT—Sept. 1, by Morris & Erskine, archts., 1716 Cherry St., 4 story and basement, 58 x 140 ft., rein.-con. and brick addition, plain foundation, 4901 Stenton Ave., for Leeds & Northrup.

Pa., Phila. — PLANT — H. M. Wilson, engr., Peoples Bank Bldg., taking bids 2 story and basement, rein.-con., brick and steel, plain foundation, Lippincott and 2nd Sts., for J. R. Foster & Son, 3100 North 2nd St.

Pa., Phila.—SHOPS—Sept. 16, by H. E. Ehlers, dir. Dept. City Transit, 1211 Chestnut St., general repair shop, inspection shop and yard entrance building in Fern Terminal Yard, Broad Street Subway, Contr. 127; adv. E. N.-R. Sept. 2.

La., Shreveport—COTTON MILL—L. H. Gilmer Co., Cottman and Keystone Sts., Phila., Pa., taking bids 140 x 260 ft. cotton mill, brick and concrete, here. To exceed $200,000.

Ind., Evansville — WAREHOUSE — See "Unclassified."

Ind., Garrett—PLANT—Sept. 7, by City, C. U. Bowers, clk., improving electric light and waterworks plant. $75,000.

Wis., Chippewa Falls — ICE CREAM FACTORY and CREAMERY—Clover Leaf Creamery, 417 Bridge St., taking bids brick and tile, plain foundation, incl. refrigeration machinery, etc. $40,000. C. Volkmann, McGrath Bldg., Eau Claire, archt. Noted Aug. 19.

Wis., Milwaukee—STRUCTURAL SHOP—Chain Belt Co., 736 Park St. taking bids 1 story, 120 x 308 ft., brick and steel, plain foundation, Orchard St. and 39th Ave. F. D. Chase, Inc., 720 North Michigan Blvd., Chicago, Ill., engrs.

Wis., West Bend—FACTORY—Federal Eng. Co., engrs. and archts., 440 Milwaukee St., Milwaukee, taking bids 3 and 1 story, brick and rein.-con. addition, plain foundation, here, for West Bend Aluminum Co.

Ark., Fordyce—FLOORING MILL—See "Contracts Awarded."

Calif., Inglewood — FACTORY — N. W. Alpaugh, archt., 2404 7th St., Los Angeles, taking bids 3 story and basement, 170 x 200 ft., rein.-con., here, for Krochler Mfg. Co., 5111 Santa Fe Ave., Los Angeles.

Calif., Long Beach — COLD STORAGE WAREHOUSE — P. J. Duncan, archt., Pacific Natl. Bank Bldg., Los Angeles, taking bids 5 story, 75 x 135 ft., rein.-con., Anaheim Rd., here, for Home Ice Co., Anaheim Rd.

Contracts Awarded

Mass., Brighton (Boston P. O.)—MANUFACTURING—Standard Storage Co., 108 Holton St., will build 2 story, 80 x 85 ft., brick, plain foundation, 37-39 Antwert St. $50,000. Work will be done by separate contracts. J. O. DeWolf, 45 Bromfield St., Boston, engr.

Mass., Brockton — SWITCHHOUSE — Edison Electric Illuminating Co., 32 Boylston St., Boston, 1 story 15 x 30 ft. and 32 x 40 ft., rein.-con. and brick, Dupont Circle, to Stone & Webster, 147 Milk St., Boston. Archts. est. $40,000.

Mass., Fall River — ROUND HOUSE — New York, New Haven & Hartford, R.R. Co., South Sta., Boston, 1 story, brick and steel, here, to McNally Constr. Co., 1 Natl. Bank Bldg. Archts. est. $40,000 or more.

Mass., Lowell—ENGINE HOUSE—New York, New Haven & Hartford R.R. Co., South Sta., Boston, brick and steel engine house, here, to Tredennick Billings Co., 10 High St., Boston. Archts. est. $40,000.

Mass., Malden — LAUNDRY — P. F. Messinger, 7 Kneeland St., 1 story, rein.-con. and steel, plain foundation, 25-29 Madison St., to D. McDonald, 208 Washington St. Archts. est. $40,000.

Mass., New Bedford—ROUND HOUSE—New York, New Haven & Hartford, R.R. Co., South Sta., Boston, 1 story, brick, here, to H. R. Kent, 5 Erie Ave., Rutherford, N. J. Archt. est. to exceed $40,000.

Mass., Scituate—ROUND HOUSE—New York, New Haven & Hartford R.R. Co., South Sta., Boston, 1 story, brick and steel, plain foundation, Greenbush Dist., here, to famigleitti Constr. Co., 166 Bway., Providence, R. I. Archts. est. $40,000.

Mass., Springfield — MANUFACTURING—Country Club Soda Co., 42 Emery St., 2 story, brick addition, to M. J. Berry, Springfield. Archts. est. $40,000. Noted July 1.

R. I., East Greenwich — DYE and BOILER HOUSE—A. H. Esten, Division St., 1 story, 50 x 140 ft., rein.-con., brick and steel, plain foundation, Division St., to Locke & Thomas, Inc., Olympia Bldg., New Bedford, Mass. Engrs. est. to exceed $40,000. Noted Aug. 12.

Conn., New London — SHOP — Crown Sheet Metal Wks., 186 Bank St., 2 story, 50 x 100 ft., brick and steel, Bank St., to T. Ochialini, 4 Chelsea St. Archts. est. $50,000. Noted May 6.

N. Y., New York—GARAGE—Bd. Trustees Bellevue & Allied Hospitals, J. J. McGrath, pres., 415 East 26th St., garage; 26th St. and 1st Ave., to Wignan Building Co., 145 West 45th St. $94,440. Noted Aug. 26.

Pa., Phila.—MANUFACTURING—Dairy Maid Confectionery Co., 4925 North Broad St., Phila., 10 story and basement, 50 x 202 ft., rein.-con. and brick, 8th and Duncannan Sts., to W. Steele Sons Co., 219 North Broad St. Archts. est. $50,000.

Pa., Phila. — FACTORY — Otto Engine Wks., 33rd and Walnut Sts., 1 story and basement, 146 x 260 ft., rein.-con. and brick plain foundation, State Rd. and Rahn St., to W. Steele & Sons Co., 219 North Broad St. Engrs. est. $70,000.

Pa., Pittsburgh — SUB-STATION — Duquesne Light Co., 435 6th Ave., general contract 1 story, 30 x 40 ft. substation, McKnight St., to H. Busse Co., W. E. Bank Bldg. Archts. est. $266,000. Noted Aug. 23.

O., Cleveland—BOX FACTORY—Standard Oil Co. of Ohio, J. A. Watterson, constr. mgr., East Ohio Gas Bldg., 1 story, 80 x 120 ft., brick and steel, 2735 Bway., to Dresser Co., The Arcade. Archts. est. $40,000. Noted Aug. 26.

O., Cleveland — FACTORY — Frankelite Co., 5016 Woodland Ave., rebuilding 4 story and basement, brick and timber, 2618 East 51st St., to L. Dantel & Son, 5710 Hough Ave. Archts. est. $40,000.

O., Cleveland—FACTORY—White Motor Co., W. White, pres., 842 East 79th St., 1 story, 55 x 198 ft., brick, and steel, 842 East 79th St., to G. A. Rutherford Co., 2725 Prospect Ave. Archts. est. $60,000.

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Buildings—Industrial (Continued)

O., Cleveland—PLANT—Reliance Electric & Eng. Co., 1088 Ivanhoe Rd., 2 story, 40 x 80 ft. addition, to Austin Co., 16112 Euclid Ave.

O., Cleveland—FACTORY—G. L. Martin Co., 16800 St. La Clair Ave., 1 story, 60 x 100 ft., and 80 x 100 ft., brick, steel and concrete addition, to Austin Co., 16112 Euclid Ave. Archts. est. $60,000.

O., Dayton — LUMBER MILL — Delco-Light Co., 3rd Natl. Bank, 1 story, 100 x 400 ft., concrete, steel and brick, plain foundation, Moraine City plant, to Danis-Hunt Constr. Co., 1st and Webb Sts., $100,000.

O., Willoughby — FACTORY—Ohio Rubber Co., 1 story and basement, 40 x 80 ft., brick, steel and concrete, to G. A. Rutherford Co., 2725 Prospect Ave., Cleveland. Archts. est. $40,000.

Ind., Aurora — FOUNDRY — Stedman Fdry. Co., general contract brick and steel foundry, to Austin Co., 16112 Euclid Ave., Cleveland, O. Archts. est. $40,000.

Ind., Batesville—FACTORY—Union Furniture Co., general contract 4 story, 81 x 116 ft., brick and steel factory, to W. A. Gutzwiller & Son, Batesville. Archts. est. $42,000. Noted Aug. 5.

Ind., Evansville — FACTORY—Hercules Co., 19 Morton St., 1 story, 140 x 300 ft., brick and steel, to M. J. Hoffman Constr. Co., 403 Furn Bldg. Archts. est. $75,000.

Ind., Indianapolis — FACTORY — Link Belt Co., Belmont St. and Cleveland, Cincinnati, Chicago & St. Louis R.R. tracks, general contract 2 story, 80 x 100 ft., rein.-con. and steel, to J. R. Curry Constr. Co., Empire Life Bldg. Archts. est. $50,000.

Ind., Indianapolis — FACTORY—Marion Motor Car Co., 1101 West Morris St., general contract 1 story, 40 x 400 ft., brick and steel, to H. K. Ferguson, 4900 Euclid Ave., Cleveland, O. Archts. est. $42,000.

Ind., Indianapolis—MACHINE SHOP—R. T. Byers, Amer. Central Life Bldg., general contract 155 x 170 ft., brick and steel machine shop and garage, 1525 North Meridian St., to J. W. Hall & Son, 48 South Denny St. Archts. est. $43,000.

Ind., Indianapolis — FACTORY—Inland Box Co., 1301 West Morris St., general contract 2 story, 205 x 240 ft., rein.-con., brick and steel, Morris and Dakota Sts., to W. P. Jungclaus, 825 Massachusetts Ave.; steel, to R. Berner, 401 South Harding St. Archts. est. $125,000.

Ind., Indianapolis—FACTORY—Murdock Pump Co., 3500 East Washington St., general contract 100 x 220 ft., rein.-con., brick and steel, to C. J. Wacker, 2663 Parkway Blvd. Archts. est. $50,000.

Ind., Indianapolis—FACTORY—Tempest Burch Co., general contract 1 story, 40 x 157 ft., rein.-con., brick and steel, 1735 Ludlow Ave., to Universal Constr. Co., 2223 Brookside Parkway. Archts. est. $40,000.

Ind., Indianapolis—PLANT—Morrison & Risman, general contract 1 story, 40 x 113 ft., rein.-con., brick and steel, Turner and Allison Sts., to W. R. Hunter Constr. Co., 46 North Delaware St. Archts. est. $40,000.

Ind., South Bend — FACTORY — Studebaker Corp., Main and Bronson Sts., general contract 2 story, 96 x 165 ft., rein.-con. and brick, to R. Sollitt & Sons, South Bend. Archts. est. $60,000. Noted June 17.

Mich., Detroit—REFRIGERATOR FACTORY—Electric Refrigeration Corp., 2448 Buhl Bldg., (1st unit), 3 story, 300 x 700 ft., rein.-con., brick and steel, plain foundation, incl. steam heating system, Pennsylvania and Pere Marquette R.R. tracks, to H. W. Horst Co., Grand Rapids. Archts. est. $2,000,000. Noted Aug. 26.

Ill., Chicago — FACTORY — Condron & Post, archts., 304 South Dearborn St., 2 story, 140 x 160 ft., rein.-con. and brick addition, 1151 Roscoe St., to Schmidt Bros. Constr. Co., 25 East Huron St., for Amer. Colortype Co., 1151 Roscoe St. Archts. est. $175,000. Noted July 1.

Ill., Chicago — SERVICE STATION and GARAGE—A. S. Alschuler, archt., 28 East Jackson Blvd., masonry and concrete contract 4 story, 160 x 400 ft., machine, paint and tire storage shops and garage, rein.-con. and brick, Morgan and Aberdeen Sts., to Great Lakes Constr. Co., 306 South Wabash Ave., for J. Kulp & Co., 35 South La Salle St. Archts. est. $600,000. Noted Apr. 22.

Wis., Berlin—POWER PLANT—Wisconsin Power & Light Co., H. R. Smith, dist. mgr., 16 North Carroll St., Madison, 1 story, 40 x 78 ft., rein.-con., brick and steel, here, to A. J. Kramp Constr. Co., Berlin. Engrs. est. $50,000. Noted Aug 12.

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Wis., Janesville — HYDRO-ELECTRIC PLANT — Wisconsin Power & Light Co., Gay Bldg., Madison, reconstructing 1 story, 50 x 100 ft., rein.-con., brick and steel hydro-electric plant, here, to J. P. Cullen & Son Co., 109 South Main St. Engrs. est. $100,000. Noted Aug. 19.

Wis., Milwaukee—SHOP—Engel Tool & Forge Co., 338 Davidson St., 2 story, 45 x 50 ft., brick and timber, plain foundation, Orchard St., to J. Pearson, 1546 41st St.

Wis., Milwaukee — SHOP — Filer & Stowell Co., 219 Becher St., 1 story, 100 x 100 ft., brick and steel addition, to Worden-Allen Co., Port Washington Ave. Archts. est. $40,000.

Wis., Milwaukee — FURNITURE FACTORY — Northwestern Furniture Co., 271 West Water St., 4 story and basement, 50 x 125 ft., brick and timber addition, plain foundation, North Water St., to W. W. Oeflein, Inc., 86 Michigan Ave. Archts. est. $50,000.

Minn., Minneapolis—PAINT FACTORY—Minnesota Linseed Oil Paint Co., V. Wurtele, vice pres. and treas., 1101 South 3rd St., general contract 1½ story and basement, 150 x 153 ft., rein.-con. and brick addition, 3rd St. and 11th Ave. S., to J. Leck Co., 211 South 11th St. Archts. total est. approximately $100,000.

Mo., Kansas City — SUGAR HOUSE — Corn Products Co., 17 Battery Pl., New York City, N. Y., sugar house, here, to Bedford Constr. Co., 208 Illinois St., Chicago, Ill. Engrs. est. $100,000.

Ark., Fordyce — FLOORING MILL — Fordyce Lumber Co. will build 2 unit type, 40,000 ft. hardwood daily capacity, by day labor. Machinery contract to S. A. Woods Mchy. Co., Damrell St., Boston, Mass. Archts. est. $200,000. Thrall & Shea Co., Lake Charles, engr.

Tex., Dallas—INDUSTRIES—Exporters Realty Co., c/o P. R. Freeman, Kirby Bldg., remodeling and constructing 1 story top addition, incl. changing freight elevator to passenger elevator, etc. Akard and Wood Sts., to E. V. McCright, Simpson Bldg., about $150,000. Dallas Chapter A. G. C., c/o F. Watson, secy., 625 Santa Fe Bldg., lessee. Noted July 15.

Tex., Ft. Worth — LAUNDRY — Natatorium Laundry Co., 101 East Belnap St., 2 story, 100 x 150 ft., brick and timber, Hemphill and Peter Smith Sts., to Butcher & Sweeney, 806½ Tylor St., about $65,000.

Tex., Galveston—COTTON MILL—Galveston Cotton Mill Co., c/o T. Copeland, pres., Amr. Natl. Insurance Bldg., 1 and 2 story, brick and rein.-con., incl. heating and plumbing, to Zempter & Reed, 2321 Ave. F, $150,000 cost plus percentage basis.

Calif., Edison — ORANGE PACKING PLANT — Edison Land & Water Co., 1 story and basement, 80 x 140 ft., rein.-con. and brick, to Hamm & Grant, Inc., Ferguson Bldg., Los Angeles, $40,000.

Calif., Los Angeles — FACTORY — Advance Auto Body Wks., 2 story, 155 x 168 ft., Macy St. and Mission Rd., to G. B. Thatcher, 53rd and Figueroa Sts., $54,000. Noted June 3.

Calif., Los Angeles — FACTORY — Advance Auto Body Wks., 1 story, 155 x 68 ft., brick, Macy St., to G. B. Thatcher, 53rd and Figueroa Sts., $64,000.

Calif., Oakland — FACTORY — Fisher Body, Inc., Hillside Dr. near Foothill Blvd., 2 story, brick addition, to Dinwiddie Constr. Co., Crocker Bldg., San Francisco, $60,000.

Calif., San Francisco — FACTORY — Kroehler Furniture Mfg. Co., 1636 Bryant St., 3 story and basement, rein.-con., Charter Oak St., to Macdonald & Kahn, 130 Montgomery St., approximately $165,000.

Calif., San Francisco—FACTORY—W. H. Sullivan, Alexander Bldg., 3 story and basement, rein.-con., 10th and Bryant Sts., to G. Wagner, 181 South Park St. Archts. est. $250,000 or more.

Buildings—Educational, Religious

Proposed Work

Mass., Cambridge (Boston P. O.) — SCHOOL — St. Peters Roman Catholic Church, P. H. Callahan, pastor, 31 Buckingham St., raising $150,000 or more funds, 2 story and basement, brick, Buckingham St. Engineer and architect not selected.

Mass., Holyoke—SCHOOL—City having plans prepared by G. P. Alderman & Co., 316 High St., 3 and 4 story school, Maple and Cabot Sts. $400,000. J. J. Myers, City Hall Annex, engr.

Mass., Quincy (Boston P. O.) — HIGH SCHOOL — City appropriated $500,000 funds, Junior High School, brick and steel

Mass., Worcester—SCHOOL—St. Marys School, B. A. Bojanonski pastor, having plans prepared by J. W. Donohue, 476 Main St., Springfield, brick addition, Sheridan St. $150,000.

Mass., Weymouth — CHURCH — Trinity Episcopal Church, W. Hyde pastor, having sketches made by C. C. Coveney, 184 Boylston St., Boston, 1 story and basement, brick, stone, and granite church, to exceed $150,000

Conn., Branford — HIGH SCHOOL — Town, W. T. Brown, chn. com., having competitive plans prepared high school $240,000.

Conn., Norwichtown (Ind. br. Norwich) —SCHOOL—City of Norwich, W. F. Lester, Laurel Hill Rd., having plans prepared by School Plan Serv., 363 Main St., Middletown and Chandler & Palmer, associated archts., Thayer Bldg., brick and steel, here. $225,000.

N. Y., Albany—CHURCH—St. James Church having sketches made by Maginnis & Walsh, 100 Boylston St., Boston, Mass., 1 story and basement, brick and stone church. $150,000.

N. J., Chatsworth—DORMITORY, etc.—Bd. Institutions & Agencies, State Bldg., Trenton, having plans prepared by C. N. Leathem, Jr., acting state archt., Trenton, dormitory, diciplinary building, etc., at State Colony for Feeble Minded at Four Mill, near here. $151,500.

O., Cleveland—CONVENT—Aug. 30, by Sisters of Perpetual Adoration, and F. C. Warner & W. R. McCormack, archts., Bulkley Bldg., 3 story and basement, 90 x 97 ft., brick, steel and concrete addition, East Blvd. $150,000.

O., Hudson — HIGH SCHOOL — Village plans new Senior and Junior High School

O., Midvale — SCHOOL — Goshen Twp. plans 2 story, 10 room addition to Goshen Twp. School. $150,000.

Mich., Detroit — SCHOOL — St. Clair Parish, J. A. McDonald, pastor 13476 Justine Ave., having plans prepared by Van Leyen, Schilling & Keough, 3440 Cass Ave., 2 story and basement, rein.-con., brick and steel, plain foundation, incl. steam heating system, Audubon Ave. $200,000.

Mich., Lansing—HIGH SCHOOL—Bd. Educ. having plans prepared by J. N. Churchill, 2 story and basement, rein.-con., brick and steel, plain foundation, incl. steam heating system, North Pennsylvania Ave. $750,000.

Mich., L'Anse — HIGH SCHOOL — Bd. Educ., J. A. Hickey, pres., having preliminary plans prepared by F. E. and G. F. Parmelee, Commercial Bank Bldg., Iron Mountain, 3 story and basement, brick, tile and concrete, plain foundation. $250,000. Noted July 29.

Ill., Elgin — COLLEGE, etc. — Elgin Academy and Junior College, K. L. Stouffer, pres., making preliminary plans concrete, brick and stone college buildings, incl. dormitory, gymnasium, etc. $1,000,000.

Wis., Green Bay—HIGH SCHOOL—Bd. Educ., c/o I. H. McIntire, supt. schools, having plans prepared by C. C. Reynolds, Dempsey Bldg., Manitowoc, 3 story and basement, brick, tile and concrete, plain foundation, Shawano Ave. $500,000.

Ia., Ames — CHURCH, etc. — Christian Church, c/o H. A. Browning, Ames, plans 160 x 180 ft., rein.-con. and brick church and student center, incl. steam heating, etc. $150,000.

Ia., Ames — MEMORIAL — Iowa State Teachers College Alumni Assn., takes bids about Oct. 1, 4 story, stone and marble, on campus. $1,000,000. Proudfoot, Rawson & Souers, 810 Hubbell Bldg., Des Moines, engrs. Noted July 1.

Minn., Winona — SCHOOL — Bd. Educ. plans 3 story and basement, rein.-con., brick and stone school. $275,000. Engineer and architect not announced.

Kan., Hays — SCIENCE HALL — State plans science hall at Kansas State Teachers College, here. $150,000.

Kan., Olathe — HIGH SCHOOL — Bd. Educ. having preliminary plans prepared by Owen, Saylor & Payson, Interstate Bldg., Kansas City, Mo., new high school. $175,000 bonds voted.

Mo., Joplin—SCHOOL—Bd. Educ. having plans prepared by J. H. Felt & Co., 300 West 47th St., Kansas City, 2 story and basement, brick and concrete school. $200,000.

Buildings—Educational, Religious (Cont.)

Tex., Eastland—HIGH SCHOOL—D. S. Castle Co., archts., 701-4 Alexander Bldg., Abilene, soon takes bids 3 story and part basement, 58 x 140 ft., brick and stone, incl. steam heating, plumbing, etc., here, for Bd. Educ., c/o J. B. Caton, pres. $150,000. Noted May 20.

Okla., Guthrie — CHURCH — Methodist Episcopal Church of Oklahoma soon takes bids 4 story and basement, rein.-con., brick and stone church. $250,000. E. L. Gaul, 401 Southwest Natl. Bank Bldg., Oklahoma City, archt. Noted Apr. 8.

Okla., Ponca City—HIGH SCHOOL—Voted $330,000 bonds, 3 story and basement, 118 x 180 ft., rein.-con. and brick, plain foundation, Grand St. Smith & Senter, Okmulgee, archts. Noted June 17.

Okla., Shawnee — DORMITORY — Oklahoma Baptist University, had plans prepared by J. I. Davis, Oklahoma City, 3 story and basement, 40 x 220 ft., rein.-con., brick and stone girls dormitory, on campus. $150,000. Noted Jan. 14.

Calif., Emeryville — HIGH SCHOOL — Emeryville Union High School Dist., plans three 2 story, rein.-con., incl. main building, gymnasium and shop. $200,000. W. H. Weeks, 369 Pine St., San Francisco, archt.

Calif., Los Angeles—HOSPITAL and NURSES HOME — Childrens Hospital Assn., c/o L. H. Hubbard, archt., Metropolitan Bldg., having plans prepared 4 story and basement, hospital, to exceed $300,000, and 3 story and basement nurses home, $150,000, both rein.-con., Vermont Ave. and Sunset Blvd.

Calif., Los Angeles—SCHOOL—City had plans prepared by Architectural Dept. Bd. Educ., San Pedro Grammar School, 2 story and basement, rein.-con. $150,000.

Calif., Miranda—HIGH SCHOOL—South Fork Union High School Dist. having plans prepared by W. H. Weeks, 369 Pine St., San Francisco, frame and stucco, incl. electrical power and water pumping plant. $150,000.

Calif., Pasadena—HIGH SCHOOL—Bd. Educ. having plans prepared by F. Kennedy, Jr., 15 South El Moline St., Woodrow Wilson Union High School, 2 story, 70 x 280 ft., rein.-con. $150,000.

Calif., Redlands — CHAPEL—University of Redlands having plans prepared by N. F. Marsh, Bway. Central Bldg., Los Angeles, 90 x 150 ft., rein.-con. and cast stone chapel. $200,000.

Calif., Riverside—COLLEGE—Riverside School Dist. plans fireproof Junior College addition. $150,000. G. S. Wilson, Riverside, archt.

Calif., Riverside—HIGH SCHOOLS—Bd. Educ. having plans prepared by A. W. Rea & C. E. Garstang, Pacific Southwest Bank Bldg., Los Angeles, 3 high schools. $800,000.

Calif., San Jose—HIGH SCHOOL—Notre Dame High School, plans fireproof, Reed and 3rd Sts. $150,000 or more.

Calif., San Pedro — HIGH SCHOOL — City of Los Angeles plans Richard Henry Dana High School, fireproof, here. $350,000. Architectural Dept. Bd. Educ., Los Angeles, archts.

Que., Louiseville—CHURCH—A. L. A. Dusabien soon takes bids church, for Roman Catholic Parish. $300,000.

Que., Montreal—SCHOOL—I. D. Pilon, Catholic School Comn., soon takes bids 3 story, brick school, St. Paul-St. Henry. $262,000.

B. C., Victoria—CATHEDRAL—Anglecan Synod, c/o J. C. M. Keith, archt., Sayword Bldg., had plans prepared and takes bids about Sept. 14 cathedral. $1,000,000.

Bids Desired

Mass., Boston—ART SCHOOL—Museum of Fine Arts, Huntington Ave., c/o G. Lowell, archt., 12 West St., Boston, taking bids 3 story and basement, 70 x 100 ft., brick and stone, Evans Way, Back Bay Dist. To exceed $150,000.

Mass., Boston—DORMITORY—See "Contracts Awarded."

Mass., Brighton (Boston P. O.)—SCHOOL—Sept. 9, by Schoolhouse Dept., Boston, 2 story and basement, brick and stone, Chestnut Hill and Strathmore Rd., here. $150,000. Private plans.

Mass., Leominster — HIGH SCHOOL — Sept. 14, by City, School Bd., Junior High School, 3 story and basement, brick and steel. $500,000. M. A. Dyer, 1 Beacon St., Boston, archt. Noted Aug. 26.

Mass., Springfield—CHURCH—Congregation Beth El, c/o A. Karp, 21 Beechwood Ave., taking bids 1 story and basement, brick, stone and granite, plain foundation. $150,000. J. W. Foster, 105 Bridge St., archt.

Mass., Wellesley Hills (Ind. br. Boston)—CHURCH—See "Contracts Awarded."

Mass., Worcester—CHURCH—Church of the Holy Angel, J. M. O'Connell, pastor, taking bids 1 story and basement, granite, plain foundation, Main St. $150,000. G. E. Haynes, 184 North St., Pittsfield, archt.

Mass., Worcester—SCHOOL—St. Mary's School, B. A. Bojanonski, pastor, taking bids 2 story and basement, 90 x 155 ft., brick, steel and stone, Sheridan St. $250,000. J. W. Donahue, 476 Main St., Springfield, archt. Noted Aug. 26.

Conn., Hartford—SYNAGOGUE—Sept. 7, by Agudud Achim Congregation, D. Traub, chn., 3 story brick, steel and stone, Oakland Terrace. $200,000. Golden, Storrs & Co., 983 Main St., archts. Noted Aug. 5.

Calif., Richmond—HIGH SCHOOL—Richmond High School Dist. taking bids six one and two story, brick buildings. $500,000. L. Stone, 357 12th St., Oakland, archt.

Conn., Storrs—CHURCH—Oct. 1, by Community Church, 1 story and basement, 50 x 118 ft., brick, steel and marble, with 85 ft. high steeple. $150,000 D. K. Perry, 17 Court St., New Britain, archt.

Pa., Phila.—HIGH SCHOOL—Sept. 8, by Bd. Educ., J. D. Cassell, supt. buildings, 19th St., Junior High School, 5 story and basement, 122 x 177 ft., rein.-con., brick and steel, plain foundation, 16th St. between Wharton and Latona Sts. $700,000. I. T. Catherine, 19th and Chestnut Sts., archt.

Md., Baltimore—HIGH SCHOOL—Sept. 8, by Bd. Awards, 3 story and basement, irregular shaped, terra cotta and stone, incl. incinerator, freight elevator, heating and ventilating systems, Gwynns Falls Parkway and Pulaski St. $1,100,000. H. F. Doeleman, 507 North Charles St., engr. J. E. Sperry, Calvert Bldg., archt.

Tenn., Knoxville—SCHOOL—Sept. 16, by Bd. Educ., 3 story, rein.-con. and brick, plain foundation. $328,000. Baumann & Baumann, Knoxville, archts. and engrs. Noted Apr. 1.

O., Columbus—GYMNASIUM and AUDITORIUM—Sept. 11, by E. L. McCune, clk., Bd. Educ., 207 East State St., 3 story and basement, 150 x 180 ft., brick and concrete, Dresden Ave. $450,000. H. D. Smith, 207 East State St., archt.

Mich., Albion—HIGH SCHOOL—Sept. 6, by Bd. Educ., 3 story, 168 x 175 ft., rein.-con., brick and steel addition, plain foundation, incl. steam heating system. Warren Holmes-Powers Co., Lansing, archts.

Mich., Detroit—SCHOOL—Sept. 8, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story and basement, 75 x 102 ft. and 86 x 201 ft., rein.-con., brick and steel, plain foundation, incl. steam heating system, Bremen Ave. $292,000. McGrath, Dohmen & Page, 2231 Park Ave., archts.

Mich., Detroit—SCHOOL—Sept. 8, by C. A. Gadd, bus. mgr., Bd. Educ., 1354 Bway. Ave., 2 story and basement, rein.-con., brick and steel, plain foundation, incl. steam heating system, Stockton and Packard Sts. $176,400. G. D. Mason & Co., 508 Griswold St., archts. Noted June 3.

Ia., Muscatine—SCHOOL—Sept. 8 (extended date), 2 story and basement, 116 x 200 ft., brick and concrete school. $175,000; also 1 story addition to Franklin and 4 room addition to Lincoln Grade Schools, $60,000. Dougher, Rich & Woodburn, 806 Valley Natl. Bank Bldg., Des Moines, archts. Noted Aug. 12.

Mo., St. Louis—SCHOOLS—Sept. 8, by Bd. Educ., 911 Locust St. R. M. Milligan, comr., rein.-con. additions to Scruggs School $200,000, to Susan R. Buder School $175,000, to Long School $100,000, and to Roe School $100,000.

Mo., Mexico—HIGH SCHOOL—Sept. 14, (extended date) by Bd. Educ., T. J. Williams, secy., 3 story and basement, 90 x 320 ft., brick, rein.-con. and stone high school. $260,000. Thomas, McLennan & Thomas, 508 Old Colony Bldg., Des Moines, Ia., archts. B. C. Ellicott, Mexico, engr. Noted Aug. 26.

Bids Received

Mass., Natick—HIGH SCHOOL—Town, F. N. Maddox, chn., Aug. 19, 3 story and basement, 85 x 275 ft., brick and stone plain foundation, from A. F. Smiley Constr. Co., Oak Hill Bldg., Pawtucket, R. I., $248,324. Noted Aug. 19.

Mass., Quincy (br. Boston) — NURSES HOME—City, 3 story and basement, 45 x 145 ft., brick and stone, Whitwell St., from Frankini Bros., 32 Mystic Ave., Medford, $103,000. Noted July 29.

Conn., Darien—HIGH SCHOOL—Town, School Com., general contract 2 story and basement, brick and stone, Post Rd., from Genovese & Rich, Davenport St., Stamford, $207,000; heating, from Files Eng. Co., 425 Railroad Ave., Bridgeport, $31,346.

N. J., Gloucester—HIGH SCHOOL—Bd. Educ., 32 North Berlin St., general contract Senior and Junior high school 2 story, from Lang & Son Co., Auducon, $236,471. Noted Aug. 5.

Ark., Clarksville—DORMITORY—College of Ozarks, W. Hurie, pres. general contract 3 story and basement 36 x 132 ft. on 2 unit and connecting, 103 x 136 ft. brick and concrete, from J. T. Blevins, Van Buren, $121,243. Noted July 1.

Contracts Awarded

N. H., Dover — HIGH SCHOOL — City, School Comn., 2 story and basement, 60 x 90 ft., brick and stone addition, plain foundation, to F. A. Rumery Co., 537 Congress St., Portland, Me. Noted July 15.

Mass., Amesbury — NURSES HOME — Amesbury Hospital, c/o Kendall, Taylor & Co., archts., 142 Berkley St., Boston, altering and constructing 3 story and basement, brick addition, plain foundation, Main St., to E. W. Currier, 7 Sanborn Terrace. Archts. est. $200,000. Noted Aug. 19.

Mass., Boston—CHURCH—St. Stephens Episcopal Church, 1 story and basement, brick and stone, plain foundation, 419 Shawmut Ave., to J. M. Hartwell, 46 Cornhill, Boston. Archts. est. $150,000. Noted Aug. 12.

Mass., Boston — DORMITORY — Boston University, A. Kinhsley, in charge, 688 Boylston St., will alter and construct 6 story and basement, brick addition, plain foundation, Revere and West Cedar Sts. $150,000. Work will be done by separate contracts. Private plans. Noted Jan. 7.

Mass., Boston—NURSES HOME—City, Hospital Dept., altering and constructing 5 story and basement, irregular shaped, brick and stone addition, Harrison Ave., to M. Cummings, 43 Tremont St., Boston, $412,500.

Mass., Boston—SCHOOL—Boston University, 20 Beacon St., altering and constructing 2 story and basement, brick and stone addition, to J. McGraw & Sons, 132 Washington St. N. Archts. est. $150,000. Noted Aug. 19.

Mass., Brookline (Boston P. O.)—AUDITORIUM — Christian Science Benevolent Assn., 2 story and basement, brick and limestone, plain foundation, Boylston St., to E. D. Ward Co., 82 Foster St., Worcester. Archts. est. $150,000.

Mass., Holyoke—SCHOOL—Our Lady of Perpetual Help, J. Marchand, pastor, 51 Fountaine St., 2 story and basement, 75 x 100 ft., brick and stone, Chestnut St., to La France Constr. Co., 292 Maple St. Archts. est. $150,000. Noted July 22.

Mass., Medford (br. Boston)—RECITATION CLASS ROOM — Tufts College, S. Robbins, chn. com., 3 story and basement, 65 x 105 ft., brick, limestone and granite, plain foundation, college grounds, to J. Driscol & Sons Co., 94 Washington St., Brookline. Archts. est. $200,000. Noted July 29.

Mass., Natick—SCHOOLS—Town, School Com., three 1 and 2 story, brick schools, to C. R. Leavitt, 16 Alden St. Archts. est. $150,000.

Mass., Rosindale — SCHOOL — City, Schoolhouse Dept., Boston, 3 story and basement, 50 x 90 ft., brick, limestone and granite addition to Washington Irving School, plain foundation, here, to P. Capate, 563 Hanover St., Boston, $179,200. Noted July 29.

Mass., Salem—CHURCH—Grace Episcopal Church, c/o Smith & Walker, archts., 80 Boylston St., Boston, 1 story and basement, brick and stone, plain foundation, to L. R. Porter Co., 6 New Derby St. Archts. est. $150,000. Noted Aug. 12.

Mass., Wellesley Hills (Ind. br. Boston)—CHURCH—Christian Science Church, c/o E. W. Deering, archt., 10 Deaconess Rd., Roxbury, will build 1 story and basement, brick, granite, tile and stucco, plain foundation, here, by day labor under supervision of architect. $150,000.

R. I., Providence—GYMNASIUM—City, Pub. Buildings Dept., 2 story and basement, 40 x 105 ft. and 30 x 40 ft., brick, steel and concrete, plain foundation, at Lincoln School, Butler and East Orange Sts., to Willmarth-Mackillop, Inc., Freeman St., Pawtucket. Archts. est. $150,000.

Conn., Hartford — SCHOOL — Second North School Dist., 118 Asylum St., Henry Barnard School, 3 story and basement,

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Buildings—Educational, Religious (Cont.)

brick and steel, North Main St., to Wise & Upson, 7 Forest St., $403,000. Noted Aug. 12.

Conn., New Britain—SCHOOL—City, J. M. Halloran, chn., 2 story and basement, 100 x 225 ft., brick, steel and concrete, incl. gymnasium, Vance and Shuttle Meadow Ave., to Hayes Constr. Co., 9 Court St. Archts. est. $325,000. Noted Aug. 5.

Conn., New Haven — ART SCHOOL — Yale University, E. V. Meeks, dean, 2 and 7 story, 90 x 150 ft., brick and steel, High and Chapel Sts., to Hegeman Harris Co., 185 Madison Ave., New York City. Archts. est. $1,000,000. Noted Jan. 14.

N. Y., Yonkers—SCHOOL—Bd. Educ., general contract P. S. 22, to Triangle Constr. Co., 453 McLean Ave., $126,332; heating, to J. Sanford Co., Inc., 306 Woodworth Bldg., $26,183. Noted Aug. 19.

N. J., Princeton—COLLEGE—Princeton University, c/o Cram & Ferguson, archts., 248 Boylston St., Boston, Mass., 3 story and basement, college extension, to Matthews Constr. Co., Princeton. Archts. est. $150,000. Noted Aug. 5.

Pa., Phila.—HOME—Methodist Home for Aged, Monument and Belmont Sts., 4 story and basement, 40 x 123 ft., brick and steel addition, plain foundation, to W. Steele Sons Co., 219 North Broad St. Archts. est. $200,000.

D. C., Wash.—HIGH SCHOOL—District Comrs., District Bldg., addition to Hine Junior High School, to Skinker & Garrett, 1416 F St. N. W., $96 969. Noted Aug. 12.

Fla., Sarasota—MUSEUM—J. Ringling, c/o J. H. Phillips, archt., 681 5th Ave., New York City, rein.-con., steel, stone and brick museum, plain foundation, here, to Hegeman-Harris Co., 360 Madison Ave., New York City. Archts. est. $250,000.

O., Akron—SCHOOL—City, general contract H. V. Hotchkiss Grade School, 3 story and basement, 18 room, incl. gymnasium, etc., East Akron St., to Clemmer & Johnson, 406 Metropolitan Bldg., $179,018; heating and ventilating, to Zindle Plumbing & Heating Co., 1055 South Main St., $34,225.

O., Belmont (Dayton P. O.)—SCHOOL—C. Powell, clk. Bd. Educ. Van Buren Twp., R. R. 12, Dayton, general contract 2 story and basement, brick and rein.-con., plain foundation, incl. gymnasium and auditorium, here, to H. R. Blagg Co., 1229 East 3rd St., Dayton, $161,982; heating and ventilating apparatus, to J. H. Meyers Heating & Plumbing Co., Columbus, $31,850. Noted Aug. 5.

O., Cincinnati — GYMNASIUM — St. Xaiver School, Victory Blvd., 1 story, 220 x 250 ft., rein.-con. and brick, plain foundation, to Leibold-Farrell Co., Schmidt Bldg., $250,000.

O., Columbus—SCHOOL—Bd. Educ., E. L. McCune, clk., general contract 2 story and basement, 150 x 170 ft., brick and stone, McGulley Ave., to R. L. Hopper, Delaware, $158,500; plumbing and heating, to Stai Plumbing Co., 270 East Livingston Ave., $37,942. Noted Aug. 5.

O., Massillon — CHURCH — Corbusier, Lenski & Foster, archts., B. F. Keith Bldg., Cleveland, 1 story, brick, steel, concrete and stone, here, to A. F. Wendling Co., Massillon, for St. Pauls Evangelical Church, F. P. Hax, pastor, 305 East Cherry St. Archts. est. $150,000. Noted June 24.

O., Shaker Heights (Cleveland P. O.) SCHOOL—Bd. Educ., J. W. Main, clk., South Woodland and Woodbury Rds., 2 story and basement, 15 room, brick, steel and concrete, Ludlow and Southington Rds., to F. H. Vogel, Ridge Rd., Cleveland.

Mich., Dearborn—SCHOOL—E. E. Walborn, secy. Bd. Educ., general contract 2 story and basement, rein.-con., brick and steel, plain foundation, incl. steam heating system, Whitmore Ave., to M. Bartholomaei Son & Co., 1574 East Warren Ave., to exceed $150,000. Noted July 29.

Mich., Detroit—SCIENCE—University of Detroit, East Jefferson Ave., 3 story and basement, 95 x 190 ft., rein.-con., brick and steel, plain foundation, incl. steam heating system, Six Mile Rd. and Livernois Ave., to J. A. Utley Co., 718 Penobscot Bldg.

Ill., Chicago—HALL—University of Chicago, 230 North Wabash St., Weiboldt Hall of Modern Languages, 3½ story and basement, rein.-con., 59th St., to J. Flom, 143 North Wabash Ave. Archts. est. $600,000.

Kan., Topeka — HIGH SCHOOL — Bd. Educ., general contract 2 story and basement, 89 x 155 ft. and 20 x 58 ft. extension, brick, stone and rein.-con., to G. Gurtler & Co., 812 Kansas Ave., $128,000. Noted Jan. 28.

Kan., Topeka — HIGH SCHOOL — Bd. Educ., North Topeka Junior High School, 3 story and basement, 89 x 155 ft., rein.-con., brick and stone, plain foundation, to J. M. Leeper, 1103 Morris St., $133,000. Noted Aug. 12.

S. D., Sioux Falls—SCHOOL—St. Josephs Cathedral Parish, c/o M. C. Fitzgerald, 504 Summit Ave., general contract 3 story and basement, 72 x 150 ft., rein.-con., brick and stone, to H. Carlson Constr. Co., Minnehaha Bldg. Archts. total est. $200,000.

Tex., Olney—HIGH SCHOOL—Voelcker & Dixon, archts., 4 Kahn Bldg., Wichita Falls, 2 and 3 story, 55 x 149 ft., brick and rein.-con., incl. plumbing and steam heating, to R. M. Lee, 737 North Madison St., Dallas, $98,950.

Colo., Greeley — HIGH SCHOOL — Bd. Educ., High School Bldg., 3 story, 100 x 300 ft., rein.-con. and brick, plain foundation, to W. Tamminga, Tramway Bldg., Denver, $313,190. Noted Aug. 19.

Calif., Auburn—HIGH SCHOOL—Placer Union High School Dist., three 2 story rein.-con. buildings, to F. H. Betz, 1831 Q St., Sacramento, $193,880. Noted Aug. 26.

Calif., Los Angeles — CHURCH — First Baptist Church, 1728 West 6th St., 3 story and 2 basements, 230 x 269 ft. church, Sunday school and social hall, Westmoreland and Leeward Aves., to Weymouth Crowell Co., 2104 East 15th St., $552,000.

Calif., San Francisco — SCHOOL — Bd. Pub. Wks., general contract Sunnyside School, 2 story, rein.-con., to Anderson & Ringrose, 320 Market St., $170,000. Noted Aug. 19.

Federal Government Work

Proposed Work

D. C., Wash.—Barracks, etc.—Quartermaster General of Army, War Dept., having plans prepared regimental barracks and hospital, at Camp Lewis, Wash.; completing hospital and 24 sets of N. C. O. Quarters at Schofield Barracks, H. T.; battalion Barrack at Fort Benning, Ga.; 2 battalion Barracks and hospital at Fort Monmouth, N. J.; Battalion Barrack, Fort Sam Houston, Tex.; 2 air corps squadron barracks and 30 sets N. C. O. headquarters at Selfridge Field, Mich.; battalion Barrack, at Camp Meade, Md.; Battalion Barrack, Fort Bragg, N. C.; 2 Battalion Barracks, Fort Humphreys, Va.; 2 Battalion Barracks, Camp Devons, Mass.; company barrack, Erie Proving Ground, O.; 10 sets officers quarters, Edgewood Arsenal, Md.; hospital at U. S. Disciplinary Barracks, Ft. Leavenworth, Kan.; air corps squadron barrack, Mitchell Field, N. Y.; 10 sets of officers quarters and 12 sets N. C. O. quarters at France Field, Panama; Battalion Barrack, Fort Wadsworth, N. Y.; 1 air corps squadron barrack and 6 sets N. C. O. Quarters at Maxwell Field, Ala. $7,020,000.

Va., Quantico—Dredging—Spec. 5273—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans dredging at flying field, Marine Barracks, here.

Ill., Great Lakes (br. Waukegan)—Improvements—Spec. 5269—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans improvements to Prison, at Naval Training Station, here.

C. Z., Coco Solo—Refrigerating Plant—Spec. 5186—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids Aug. 11, refrigerating plant at U. S. Naval Submarine Base, here. Noted Aug. 26.

Bids Desired

N. Y., Syracuse—Excavation, etc. Sept. 13, by Treas. Dept. at office Supervising Archt., Wash., D. C., excavation and foundation walls for U. S. Post Office and Court House, here; adv. E. N.-R. Sept. 2.

Pa., Pottsville—Driveway, etc.—Sept. 14, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing and extending driveway and underpinning retaining wall, at U. S. Post Office, here; adv. E. N.-R. Sept. 2.

D. C., Wash.—Concrete mixers, etc.—Sept. 3, by A. L. Flint, genl. purch. officer Panama Canal, concrete mixers, duplex steam pumps, pipe, etc.

D. C., Wash.—Equipment—Sept. 15, at office A. L. Flint, genl. purch. officer Panama Canal, electrical machinery and auxiliary equipment for diesel electric tugs; adv. E. N.-R. Sept. 2.

D. C., Wash.—Equipment—Sept. 30, by U. S. Engineer Office, 1068 Navy Dept. Bldg., 2 generators, automatic switching and electrical equipment; adv. E. N.-R. Sept. 2.

Va., Hampton—Bulkhead—Sept. 21, by U. S. Engineer Office, Norfolk, concrete bulkhead in Jones Creek, at National Soldiers Home for D. V. S., here; adv. E. N.-R. Sept. 2.

Va., Quantico—Dredging—Spec. 5273—Sept. 8, by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Flying Field, here.

Mich., Adrian—Remodeling—Sept. 16, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here.

Ia., Des Moines—Remodeling—Sept. 17, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Bids Received

Va., Petersburg — Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., Aug. 24, remodeling and enlarging U. S. Post Office, here, from T. W. Cissell, Bethlehem Pa., $16,500. Noted Aug. 5.

Ill., Great Lakes (mail Waukegon)—Apartment—Spec. 5265—Bureau Yards & Docks, Navy Dept., Wash., D. C., Aug. 25, apartment house for officers, at Naval Training Station, here, from Peterson-Colwell, Inc., 646 Builders Exchange, Minneapolis, Minn., $75,987. Noted Aug. 12.

Calif., Orland—Dam—Dept. Interior, Bureau Reclamation, Wash., D. C., constructing Stony Gorge Dam, here, from Ross Constr. Co., 105 4th St., Los Angeles, $507,446. Noted July 15.

Contracts Awarded

N.Y., Buffalo—Extension—U. S. Engineer Office, timber concrete extension to lower east wing wall at Black Rock Lock, here, to Great Lakes Dredge & Dock Co., Morgan Bldg., $34,864. Noted July 22.

Ga., Fort Benning—Barracks—Constructing Quartermasters Office, general contract Cuartel Barracks, to J. W. Cowper Co., Fidelity Bldg., Buffalo, N. Y., $433,860; water supply, to O'Pry Heating & Plumbing Co., 163 Cotton Ave., Macon, $4,678; storm and sanitary sewers, to M. D. Morgan, Opelika, Ala., $54,337; plumbing, to Loftis Plumbing Co., 44 Mtta St., Atlanta, $41,700; and electrical work, to Michaels & Co., Flat Iron Bldg., Norfolk, Va., $13,970. Grand total $551,545. Noted Aug. 26.

O., Dayton—Tunnels—Constructing Quartermaster, Wright Field, pipe tunnels at Wright Field to W. Boyd, Reibold, Bldg., $57,777. Noted Aug. 12.

Ill., Rockwood—Dikes—U. S. Engineers' Office, 428 Custom House, St. Louis, Mo., 11,000 lin. ft. pile dikes in Mississippi River, near here, to Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, Mo., $473,500. Noted Aug. 26.

Wis., Stevens Point—Remodeling—Treas. Dept. at office Supervising Arch., Wash., D. C., remodeling and enlarging U. S. Post Office, here, to W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $16,900. Noted Aug. 26.

FEDERAL POWER COMMISSION

Application for Licenses and Permits

Applications

721—Shenandoah River Power Co., Harrisonburg, Va.—Wants license transmission line in Shenandoah Natl. Forest, Rockingha mand Page Counties.

722—Southern California Edison Co., 306 West 3rd St., Los Angeles, Calif.—Wants license transmission line, partly constructed, in Sequoia Natl. Forest, Kern Co.

723—Southside Power Co., Mutual Bldg., Room 318, Richmond, Va.—Wants preliminary permit power project in Roanoke River near Talley's Falls, Mecklenburg, Charlotte and Halifax counties.

724—McCain, Wacker, Duggan, Gilmore, Thornton and Frame, Box 1348, Ketchikan, Alaska—Wants preliminary permit power project in Ward Cove Creek, Tongass Natl. Forest.

725—Southern Sierras Power Co., Riverside—Wants license 1.03 mi. transmission line crossing Yuma Indian Reservation and Fort Yuma Indian School Reserve, in Imperial Co.

726 — Tennessee Eastern Electric Co., Johnson City, Tenn. — Wants preliminary permit power project, incl. 100 ft. dam, 60,000 hp. capacity, located 10 mi. up stream from Kingsport, in South Fork Holston River, Sullivan and Washington Counties.

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Federal Government Work (Continued)

727—St. Paul's Mission, W. G. LeVasseur, S. J., supt.—Wants license power project of less than 40 hp. on Little Peoples Creek, Mission Canyon, Indian Forest Reserve.

728 — R. G. Gorden, Marion E. Taylor Bldg., Louisville, Ky.—Wants preliminary permit power project in Cumberland River, Tennessee at Lock 9, Jackson Co. near Carthage, and at Lock 12 Clay Co., near Celina. Proposed plants to be connected with existing systems of Kentucky Hydro-Electric Co. and Kentucky Utilities Co.

729 — Kentucky Hydro-Electric Co., Louisville, Ky.—Wants preliminary permit 40 ft. dam at site of authorized Lock and Dam 15, in Cumberland River, near Creelboro, Cumberland Co.

730 — Arizona Sodium Production Co., Electric Bldg., Houston, Tex., c/o D. J. Harrison—Wants preliminary permit dam and reservoir at Aravaipa and Turkey Creeks, Pinal and Gramah Counties near Pima and Safford, Ariz.

Unclassified

Proposed Work

Terminal, Docks, etc.—Buffalo, N. Y.—Cleveland Buffalo Transit Co., foot East 9th St., Cleveland, O., made plans rein.-con. and brick terminal, dock on piles, etc., at foot of Genessee St., here. $600,000. W. Longe, 500 Marshall Bldg., Cleveland, O., engr.

Track Relocation, etc. — Niagara Falls, N. Y.—New York Central R.R. Co., Grand Central Terminal, New York City, making surveys relocating tracks and elimination of grade crossings, here. To exceed $700,000. G. Kittredge, Grand Central Terminal, New York City, ch. engr.

Tunnel—Chattanooga, Tenn.—Hamilton Co. voted $600,000 bonds, highway tunnel under Missionary Ridge. E. G. Munell, Chattanooga, co. engr.

Stadium—Cleveland, O.—Bd. Educ., F. G. Hogen, dir., plans 20,000 seating capacity rein.-con. stadium. $175,000. G. M. Hopkinson, Auditorium Garage Bldg., engr.

Zoo Improvements—Cleveland, O.—City, F. S. Harmon, dir. Pub. Property, City Hall, having plans prepared by H. Kregelius, 604 City Hall, new elephant house $250,000, tropical mamal house $100,000, ape and monkey house $100,000, reptile house $100,000, bird house $100,000, antelope house $150,000 and zebra house $100,000 all in Brookside Park. Will probably vote on bond issue at fall election. S. Newman, 437 City Hall, park engr.

Bulkhead—Lakewood (br. Cleveland), **O.**—City made plans rubble mound bulkhead with fill behind it in Lakeview Park along Lake Erie. $26,000. R. Walton, City Hall, engr.

Park and Swimming Pool—Alton, Ill.—Voted $100,000 bonds, park on river front, incl. swimming pool, etc.

Swimming Pool — Chicago, Ill. — See "Buildings—Commercial."

Electric Power Plant—Sibley, Ia.—City plans 400 hp. electric power unit. R. D. Stewart, city clk.

Reptile House—St. Louis, Mo.—City, c/o Zoological Bd. Control, takes bids about Sept. 7, 2 story, 105 x 150 ft., brick and tile reptile house, Forest Park Zoo Grounds. $125,000. J. E. Wallace, c/o owner, engr. Noted Feb. 4.

Wharves—Beaumont, Tex.—See "Buildings—Industrial."

Icing Dock—Corpus Christi, Tex.—Central Power & Light Co. plans icing dock, timber and rein.-con., near Southern Pacific Ry., Missouri Pacific and Texas-Mexico lines. $40,000. Private plans.

Grain Elevator—Ft. Worth, Tex.—Ft. Worth Elevator Co., c/o J. Smith, 1501 East 1st St., plans grain elevator, 1,750,000 bu. storage capacity, Dickson St. and Missouri, Kansas & Texas R.R. tracks. Engineer not selected.

Pier—Galveston, Tex.—G. W. Bell, Jr., A. N. I. Bldg., soon takes bids 1,000 ft. pleasure pier. $160,000. Private plans.

Pier, etc.—Houston, Tex.—See "Excavation, Drainage, Irrigation, Levees, River and Harbor, under Bids Desired."

Transmission Line — Oklahoma — Oklahoma Gas & Electric Co., Insurance Bldg., Oklahoma City, making preliminary plans 28 mi. electric transmission line from Marietta to Ardmore. $45,000. Byllesby Eng. Co., 221 South La Salle St., Chicago, Ill., engrs.

Lighting System—Milburn, Okla.—Oklahoma Gas & Electric Co., Insurance Bldg., Oklahoma City, purchased city light plant, here, and plans line extensions, new equipment, etc. $35,000.

Gas System—Long Beach, Calif.—See "Waterworks."

Lighting System—Los Angeles, Calif.—Plans 160 concrete standards on Parkwood and Greenwood Aves., etc.

Swimming Pool—Nevada City, Calif.—City plans election $10,000 bonds, swimming pool.

Bids Desired

Station Entrance—Boston, Mass.—Sept. 14, by Transit Dept., Columbia Station entrance, exit and adjunts, Sect. 1, Dorchester Rapid Transit, brick, concrete and steel. To exceed $25,000. Private plans.

Playground — Mattapan (sta. Boston), **Mass.**—Sept. 9, by Park Dept., 33 Beacon St., Boston, reconstructing Almont St. playground, here. $25,000. J. B. Shea, chn.

Fill—Corona (Ind. sta. Flushing), **N. Y.**—Sept. 10, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, fill in Corona Yard, Route 52, Queens Boro.

Tracks, etc.—New York, N. Y.—Sept. 10, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., tracks special work and bumping posts, for portion of Lenox Ave. and 148th St. Yard.

Engines, etc.—Danville, Pa.—Sept. 16, by Bd. Trustees Danville State Hospital, 2 engines and generators. F. M. Sprout, chn. building com.; adv. E. N.-R. Sept. 2.

Clamps—Phila., Pa.—Sept. 8, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., crossings and guard rail clamps, Contr. 33-1926.

Turntable Bridges, etc. — Phila., Pa. — Sept. 10, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., turntable bridges and wire towers per Spec. 17420 and 22700, Contr. 34-1926.

Bulkhead—Cleveland, O.—Sept. 9, by City, bulkhead at Gordon Park. $400,000. T. Joyce, City Hall, engr.

Barge Terminal, etc.—Evansville, Ind.—Kelly Barge Line, taking bids 200 x 400 ft. barge terminal and 130 x 180 ft. warehouse, both rein.-con. and brick. $175,000. A. T. Lapsley, Charleston, W. Va., engr.

Steam Heating, etc.—Chicago, Ill.—Sept. 9, by Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., plumbing for 3 schools; steam heating, for 2 schools, refrigeration for 2 schools; glass and glazing for 6 schools; and ornamental lighting fixtures for 16 schools. J. C. Christensen, 650 South Clark St., archt.

Culvert Work—Sidney, Ia.—Sept. 7, at office Auditor Fremont Co., culvert work, incl. 3,160 lb. reinforcing, etc. F. L. Cain, Sidney, engr.

Pump—Austin, Minn.—Sept. 7, by Bd. Water, Electricity Gas & Water Comrs., centrifugal steam turbine pump, 3,500 r.p.m. capacity, against 200 ft. head.

Swimming Pool, etc. — Mineral Wells, Tex.—See "Buildings—Commercial."

Subway—San Antonio, Tex.—Sept. 13, by City and International-Great Northern R.R., C. S. Kirkpatrick, ch. engr., Union Sta., Houston, 200 ft. rein.-con. subway under International-Great Northern R.R. tracks on West Commerce St. between Comal and Medina Sts. $70,000. I. Ewig, city engr.

Transmission Line—Oklahoma—See "Contracts Awarded."

Underground Conduit—Oklahoma City, Okla.—See "Contracts Awarded."

Calif., Los Angeles — Sept. 8, by Los Angeles Co. Sanitation Dist. 2, 9,743 ft. 21 in. vitr. clay sewer in portion Montebello Trunk Sewer. Former bids returned unopened. Noted Aug. 5.

Tunnels—San Francisco, Calif. — See "Waterworks."

Coaling Plant—Paris Junction, Ont.—Sept. 9, by T. T. Irving, engr. Canadian Natl. Ry., New Union Sta., Toronto, 300 ton coaling plant, rein.-con., here. $30,000.

Bids Received

Bulkhead—Boston, Mass.—City Comrs. Penal Institutions, bulkhead northerly shore Deer Island, from R. B. Rendle Corp., 364 Border St., East Boston, $26,010.

Subway—Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, Aug. 27, portion of rapid transit railroad from Culver Line to Coney Island Yard, here, from J. H. Duncan, Inc., 5718 2nd Ave., $69,248. Noted Aug. 19.

Contracts Awarded

Foundation—Somerville (Boston P. O.), **Mass.**—First Natl. Stores Inc., M. O'Keefe, pres., caisson foundation for warehouse and office building, Mystic and Middlesex Aves., to Turner Constr. Co., 178 Tremont St., Boston. Engrs. est. $25,000. Noted Feb. 4.

Borings—Albany, N. Y.—A. E. Smith, gov. and chn. State Office Site & Building Comn., Executive Chamber, Capitol, test borings on site for State Office Building, to Battle Bros., Scranton, Pa., $2,600; removing old building and clearing site to Waldron Estate, Inc., 128 State St., $5,000. Noted Aug. 12.

Bulkhead, etc.—New York, N. Y.—M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., removing existing structures, constructing new sheet pile return building, new bulkhead platform with wall and rebuilding Pier 46 between Perry St. and West 10th St., North River, to A. N. Spooner & Son, Pier 11, North River, $399,795. Noted July 15.

Underpass — Camden, N. J. — Delaware River Bridge Joint Comn., completion Camden Approach 5th St. pedestrian underpass, Contr. 28-B, to O'Neill Co., 127 East Mermaid St., Phila., Pa., $9,250.

Piling—Baton Rouge, La.—Eleven clusters of piling around city docks, to W. H. Williams Co., 816 Howard Ave., New Orleans, $29,100.

Culverts—Iowa—See "Bridges."

Culverts—Clinton, Ia.—See "Bridges."

Stadium — Arkadelphia, Ark. — Quachita College Stadium Comn., c/o C. I. Durrett, 423 Maple St., 5,000 seating capacity concrete and steel stadium, with 4,000 temporary seats, to Austin Bros., 1815 Coombs St., Dallas, Tex., approximately $25,000.

Amusement Center—Corpus Christi, Tex.—W. Kloblock Enterprises, amusement center, incl. rein.-con. swimming pool, skating rink, airdrome, dining hall, etc., to J. D. Isaacks, Corpus Christi, $125,000.

Pier — Houston, Tex. — "Buildings — Industrials."

Transmission Line — Oklahoma — Oklahoma Gas & Electric Co., Insurance Bldg., Oklahoma City, will build 28 mi. electric transmission line from Ardmore to Healdton, by day labor. $35,000. Byllesby Eng. Co., 221 South La Salle St., Chicago, Ill., engrs.

Transmission Line—Oklahoma — Deirks Lumber Co., Gates Bldg., Kansas City, Mo., will build 30 mi. 33,000 volt transmission line from Page to Talihina, by day labor. $40,000.

Underground Conduit — Oklahoma City, Okla.—Oklahoma Gas & Electric Co., Insurance Bldg., will build 30 mi. underground conduit system for all electric distribution systems, by day labor. $150,000. Byllesby Eng. Co., 221 South La Salle St., Chicago, Ill., engrs.

Swimming Pools—Los Angeles, Calif.—See "Buildings—Commercial."

Materials

Bids Desired

Cement, etc.—Long Island City, N. Y.—Sept. 7, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 425 tons asphaltic cement in tight containers, and 100,000 gal. fuel oil, to Bureau Highways.

Rock Asphalt—St. George, N. Y.—Sept. 10, by J. A. Lynch, pres. Richmond Boro, Boro Hall, 400 tons rock asphalt in district bounded by Vanderbilt Ave., Richmond Rd., Clove Rd., to Richmond Terrace, etc.

Bids Received

Cement, etc—New York, N. Y.—J. Miller, pres. Manhattan Boro, Aug. 26, 50,000 gal. gasoline and 450,000 gal. asphaltic cement, from Warner Quinlan Co., 25 Beaver St., $7,500 and $27,045 respectively; 25,000 cu.yd. concrete and paving sand, from Ames Building Material Co., 3437 Kingsbridge Ave., $3,575; 20,000 bags portland cement, from Anderson Brick & Supply Co., 201 East 129th St., $13,450; 6,000 cu.yd. ¾ in. binder stone, from Calvin Tompkins Co., 30 Canal St., $11,640; 2,500 tons inorganic dust, from New York Trap Rock Co., 250 Park Ave., $13,000; and 20,000 cu.yd. asphalt sand from Z. Mahoney, 557 46th St., Brooklyn, $22,400. Noted Aug. 19.

Contracts Awarded

Pipe—Dallas, Tex.—City, c/o M. G. James, secy., 1,430 tons Class "B" pipe, to U. S. Cast Iron Pipe & Fdry. Co., Magnolia Bldg., approximately $71,000.

See proposal advertising on page 172

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—and now the Vulcan too, has the 3-point

All sizes of the Vulcan Gasoline Locomotive—from 8 tons up as well as the Vulcan Steam and Electric Locomotive now have the 3-point suspension feature.

By means of elliptic springs and cross equalizers the 3-point suspension has been provided for the gasoline locomotive. Thus the same equalization of pressure on the journals has been secured for this new Locomotive as has been secured for the other types. The service life of the Vulcan Gasoline Locomotive is now prolonged just as the life of the other Vulcan Locomotives has been. With this feature, too, the danger of derailment has been almost entirely eliminated regardless of track irregularities. It has been largely due to the 3-point suspension that the Vulcan Steam Locomotive has made service records of 30 to 40 years. It is doubtful whether any practical man, today, would consider using a steam locomotive which is not designed with this important long-life feature.

Already a number of the leading contractors, cement companies, mining companies and quarries have this new 3-point Suspension Gasoline Locomotive in use. Among these are The Mathieson Alkali Works, Canada Cement Company, Albany Crushed Stone Corporation, Bethlehem Steel Company, National Tube Company, International Motor Company, Gary Tube Company, Utah Iron Ore Corporation, St. Lawrence Paper Mills, E. B. Eddy Company, Stone and Webster, Inc., The Arundel Corporation and Bates and Rogers Construction Company.

"The Locomotives," says Mr. G. W. Patnoe, Engineer and Quarry Manager of the Mathieson Alkali Works, which has three of these machines on the job, "are all you claimed them to be and more. The 3-point suspension and the elliptic spring design on these locomotives adds 50% to their value. It equalizes the load on all the bearings at all times and prolongs the life of the machine."

Read the quotation from his letter on the opposite page. After using two of these machines for eight months, Mr. Patnoe ordered a third.

Don't fail to send for complete information on this new long-life, smooth-running, shock-absorbing locomotive. When you have had one on the job you'll never order any other type of gasoline locomotive. Write today and learn what other leading locomotive users now know.

Don't forget—
we also make Steam and Electric Locomotives.

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STEAM
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